

# Converting Colors

XYZ(52.6625, 78.3342, 98.5219)

Have a look what the booklet for  
XYZ(52.6625, 78.3342, 98.5219)  
contains.

<b>XYZ(52.6934, 78.3456, 98.7312)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(52.6934, 78.3456,  
98.7312)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1BFFF5
RGB	27, 255, 245
RGB Percent	11%, 100%, 96%
CMY	0.8940, 0.0000, 0.0392
CMYK	0.89, 0.00, 0.04, 0.00
HSL	177°, 100%, 55%
HSV	177°, 89%, 100%
XYZ	52.6934, 78.3456, 98.7312
YIQ	185.6880, -132.6780, -51.4460

# Conversions

## Conversions Part 2

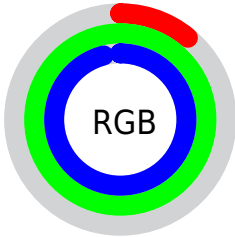
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	27, 144, 255
Decimal	1834997
CIE <sub>Lab</sub>	90.94, -50.19, -9.21
CIE <sub>LCh</sub>	91, 51.026, 190.394
Yxy	78.3456, 0.2293, 0.3410
Android (android.graphics.Color)	4280025077 (0xFF1BFFF5)
YUV	185.6880, 29.2408, -139.1694
Hunter-Lab	88.5130, -48.6336, -4.1754

# Details

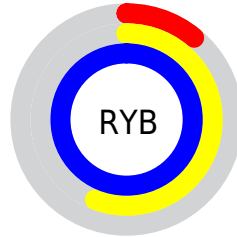
The XYZ color **52.6934, 78.3456, 98.7312** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.9670, 22.1790, 3.8217**, and the grayscale version is **46.3973, 48.8136, 53.1580**.

A 20% lighter version of the original color is **62.2674, 83.1000, 107.3658**, and **29.1516, 43.6066, 55.0246** is the 20% darker color. If you saturate the color by 10%, you get **52.0906, 78.0545, 97.8157**, and if you desaturate by 10%, it is **53.8567, 78.9254, 99.6811**.

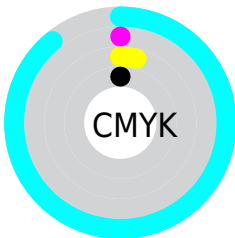
# Distribution



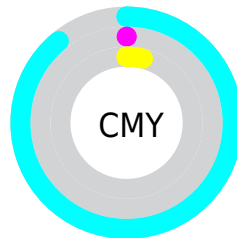
- Red (11%)
- Green (100%)
- Blue (96%)



- Red (11%)
- Yellow (56%)
- Blue (100%)



- Cyan (89%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (89%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.6934, 78.3456, 98.7312 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 52.6934, 78.3456, 98.7312 by changing the saturation by 10% instead.





 52.6934, 78.3456,  
98.7312


 52.6934, 78.3456,  
98.7312


387.3879,  
489.3397, 577.3290

 37.7846, 58.3579,  
74.6304


 93.3212, 131.0372,  
161.4491


 25.9920, 42.0965,  
54.8102


 119.7710,  
164.5099, 200.9033

 16.9503, 29.1768,  
38.8522


 150.7984,  
203.2464, 246.3123

 10.2941, 19.2146,  
26.3378

 186.7688,  
247.6311, 298.0947

 5.6582, 11.8255,  
16.8485

228.0476,  
298.0484, 356.6690

 2.6770, 6.6249,  
9.9657

275.0001,

 0.9854, 3.2287,

354.8827, 422.4538

5.2709

327.9918,  
418.5183, 495.8676

■ 0.0000, 1.2523,  
2.3456

■ 0.0000, 0.1038,  
0.7566

■ 52.6934, 78.3456,  
98.7312

■ 52.6934, 78.3456,  
98.7312

■ 52.0906, 78.0545,  
97.8157

■ 53.8567, 78.9254,  
99.6811

■ 52.0612, 78.0405,  
97.7612

■ 55.7298, 79.8712,  
100.6682

■ 58.4133, 81.2346,  
101.6987

■ 61.9911, 83.0588,  
102.7764

66.5363, 85.3817,  
103.9048

72.1147, 88.2371,  
105.0870

78.7862, 91.6558,  
106.3258

86.6062, 95.6666,  
107.6238

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



53.5140, 78.3456, 63.6782



52.6934, 78.3456, 98.7312



57.1739, 78.3456, 139.9254

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



52.6934, 78.3456, 98.7312



91.6682, 78.3456, 151.4139



83.0754, 78.3456, 34.4690

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



52.6934, 78.3456, 98.7312



41.9670, 22.1790, 3.8217

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.9322, 78.3456, 47.1474



52.6934, 78.3456, 98.7312



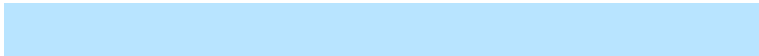
100.2750, 78.3456, 111.3459

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



52.6934, 78.3456, 98.7312



79.0164, 78.3456, 175.6509



101.5339, 78.3456, 73.1548



70.0921, 78.3456, 32.8847



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



52.6934, 78.3456, 98.7312



62.9036, 78.3456, 162.8880



101.5339, 78.3456, 73.1548



87.3630, 78.3456, 37.3556

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



52.6945, 78.3461, 98.7327



73.6137, 89.0049, 105.3790



36.7734, 72.0196, 13.0018



15.3039, 18.8189, 22.4667



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



52.6945, 78.3461, 98.7327



52.0612, 78.0405, 97.7612



29.7984, 30.0445, 98.8364



18.5184, 20.4669, 23.0329



27.2183, 40.7839, 51.1621



2.6604, 3.9751, 5.0354



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



41.9670, 22.1790, 3.8217



41.3015, 21.2846, 2.2537



49.3700, 37.2029, 5.6176



18.0417, 18.0000, 18.8365



21.5947, 11.1272, 1.2505

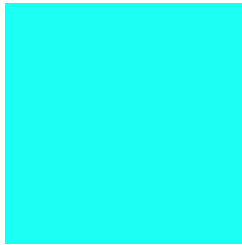


2.1134, 1.0878, 0.1789



# Previews

## White Background



This preview shows how the XYZ color 52.6934, 78.3456, 98.7312 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

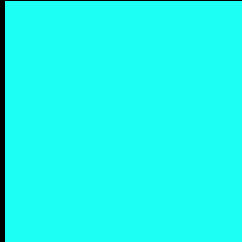
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.6934, 78.3456, 98.7312 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

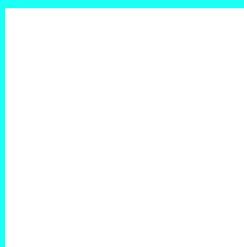
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.6934, 78.3456, 98.7312**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.6934, 78.3456, 98.7312.



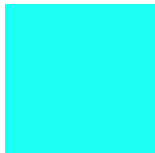
This preview shows how white text looks on a background with the XYZ color 52.6934, 78.3456,



# Color Blindness Simulation

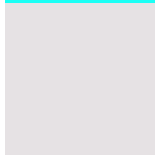
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



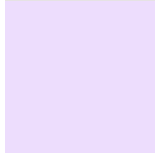
### Original Color

52.6934, 78.3456, 98.7312



### Protanopia

73.8331, 76.8171, 84.3346



### Deuteranopia

78.5111, 76.8093, 103.6162



## Tritanopia

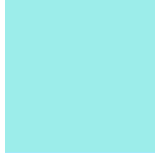
63.1286, 77.5943, 106.2577

# Trichromacy



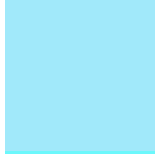
## Original Color

52.6934, 78.3456, 98.7312



## Protanomaly

58.8458, 73.5768, 88.9421



## Deuteranomaly

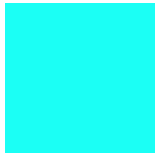
61.0922, 72.7570, 101.2661



## Tritanomaly

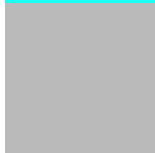
56.8577, 76.6747, 103.0698

# Monochromacy



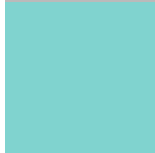
## Original Color

52.6934, 78.3456, 98.7312



## Achromatopsia

46.6715, 49.1021, 53.4722



## Achromatomaly

43.4588, 55.6827, 67.4888

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.6934, 78.3456, 98.7312 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(27, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(27, 255, 245)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(27, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(27, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 52.6934, 78.3456, 98.7312 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(27, 255, 245) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(27, 255, 245) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(27, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(27, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(27, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(27, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.6934, 78.3456, 98.7312 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(27, 255, 245) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(27, 255,  
245) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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