

# Converting Colors

XYZ(52.5302, 78.2688, 98.3927)

Have a look what the booklet for  
XYZ(52.5302, 78.2688, 98.3927)  
contains.

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# Color

**XYZ(52.5948, 78.2947,  
98.7266)**

# Conversions

## Conversions Part 1

Format	Color
Hex	17FFF5
RGB	23, 255, 245
RGB Percent	9%, 100%, 96%
CMY	0.9096, 0.0000, 0.0392
CMYK	0.91, 0.00, 0.04, 0.00
HSL	177°, 100%, 55%
HSV	177°, 91%, 100%
XYZ	52.5948, 78.2947, 98.7266
YIQ	184.4920, -135.0620, -52.2940

# Conversions

## Conversions Part 2

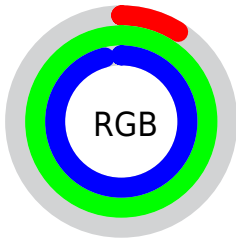
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 142, 255
Decimal	1572853
CIE Lab	90.91, -50.35, -9.24
CIE LCh	91, 51.186, 190.403
Yxy	78.2947, 0.2291, 0.3410
Android (android.graphics.Color)	4279762933 (0xFF17FFF5)
YUV	184.4920, 29.8304, -141.6285
Hunter-Lab	88.4843, -48.7476, -4.2140

# Details

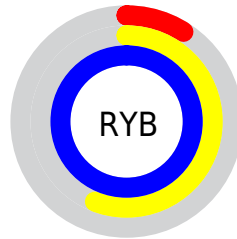
The XYZ color **52.5948, 78.2947, 98.7266** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light washed cyan. A complement of this color would be **41.8222, 21.9844, 3.4808**, and the grayscale version is **45.7319, 48.1135, 52.3956**.

A 20% lighter version of the original color is **62.1222, 83.0251, 107.3590**, and **29.1516, 43.6066, 55.0246** is the 20% darker color. If you saturate the color by 10%, you get **52.0905, 78.0522, 97.9151**, and if you desaturate by 10%, it is **53.6546, 78.8216, 99.6563**.

# Distribution



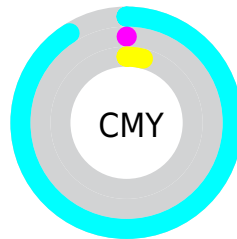
- Red (9%)
- Green (100%)
- Blue (96%)



- Red (9%)
- Yellow (56%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (91%)
- Magenta (0%)
- Yellow (4%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5948, 78.2947, 98.7266 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 52.5948, 78.2947, 98.7266 by changing the saturation by 10% instead.





 52.5948, 78.2947,  
98.7266

 52.5948, 78.2947,  
98.7266


387.0149,  
489.1671, 577.3140


 37.7056, 58.3161,  
74.6265


 93.1769, 130.9655,  
161.4427

 25.9304, 42.0628,  
54.8071


 119.6005,  
164.4264, 200.8959

 16.9040, 29.1505,  
38.8498


 150.5996,  
203.1503, 246.3038

 10.2610, 19.1947,  
26.3359

 186.5395,  
247.5215, 298.0850

 5.6359, 11.8110,  
16.8471

227.7857,  
297.9243, 356.6582

 2.6635, 6.6151,  
9.9647

274.7034,

 0.9784, 3.2226,

354.7433, 422.4417

5.2703

327.6580,  
418.3628, 495.8541

■ 0.0000, 1.2490,  
2.3452

■ 0.0000, 0.1012,  
0.7564

■ 52.5948, 78.2947,  
98.7266

■ 52.5948, 78.2947,  
98.7266

■ 52.0905, 78.0522,  
97.9151

■ 53.6546, 78.8216,  
99.6563

■ 55.4065, 79.7052,  
100.6221

■ 57.9545, 80.9990,  
101.6304

■ 61.3843, 82.7474,  
102.6852

65.7707, 84.9887,  
103.7900

71.1803, 87.7574,  
104.9479

77.6739, 91.0849,  
106.1618

85.3076, 95.0000,  
107.4344

94.1335, 99.5295,  
108.7680

# Harmonies

## Analogous

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



53.4153, 78.2947, 63.5798



52.5948, 78.2947, 98.7266



57.0858, 78.2947, 140.0612

# Triad

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



52.5948, 78.2947, 98.7266



91.6740, 78.2947, 151.5709



83.0475, 78.2947, 34.3221

# Complementary

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



52.5948, 78.2947, 98.7266



41.8222, 21.9844, 3.4808

# 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.



94.9421, 78.2947, 47.0071



52.5948, 78.2947, 98.7266



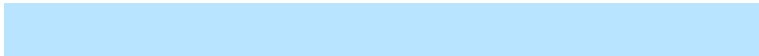
100.3070, 78.2947, 111.3564

# Square

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



52.5948, 78.2947, 98.7266



78.9847, 78.2947, 175.9129



101.5677, 78.2947, 73.0586



70.0284, 78.2947, 32.7405



# Rectangle

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



52.5948, 78.2947, 98.7266



62.8291, 78.2947, 163.1096



101.5677, 78.2947, 73.0586



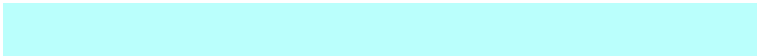
87.3481, 78.2947, 37.2088

# Sweetspot

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



52.5960, 78.2953, 98.7281



73.6220, 89.0082, 105.4224



36.5960, 71.9330, 12.7684



15.3059, 18.8197, 22.4772



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.



52.5960, 78.2953, 98.7281



52.0905, 78.0522, 97.9151



29.4095, 29.4130, 98.7350



18.5190, 20.4671, 23.0362



27.2333, 40.7899, 51.2412



2.6617, 3.9756, 5.0423



# Inverse Universe

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



41.8222, 21.9844, 3.4808



41.3004, 21.2841, 2.2478



49.0390, 36.6099, 5.2945



18.0411, 17.9998, 18.8336



21.5940, 11.1269, 1.2463

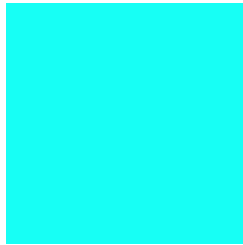


2.1132, 1.0876, 0.1775



# Previews

## White Background



This preview shows how the XYZ color 52.5948, 78.2947, 98.7266 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

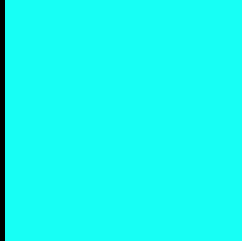
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5948, 78.2947, 98.7266 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

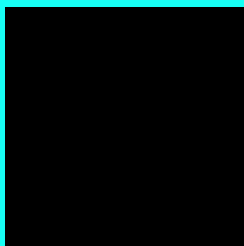
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

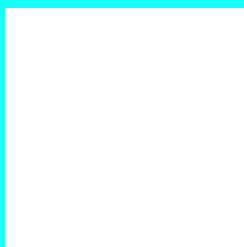
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 52.5948, 78.2947, 98.7266**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5948, 78.2947, 98.7266.



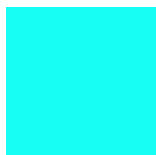
This preview shows how white text looks on a background with the XYZ color 52.5948, 78.2947,



# Color Blindness Simulation

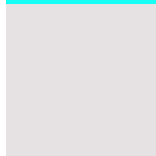
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



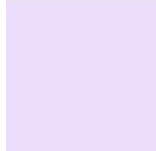
### Original Color

52.5948, 78.2947, 98.7266



### Protanopia

73.8331, 76.8171, 84.3346



### Deuteranopia

78.5111, 76.8093, 103.6162



## Tritanopia

63.1286, 77.5943, 106.2577

# Trichromacy



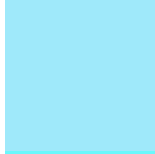
## Original Color

52.5948, 78.2947, 98.7266



## Protanomaly

58.6530, 73.4774, 88.9331



## Deuteranomaly

60.6923, 72.5509, 101.2474



## Tritanomaly

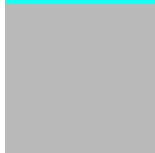
56.6172, 76.5507, 103.0585

# Monochromacy



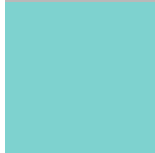
## Original Color

52.5948, 78.2947, 98.7266



## Achromatopsia

46.1135, 48.5150, 52.8328



## Achromatomaly

42.9133, 55.0338, 67.3923

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5948, 78.2947, 98.7266 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(23, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(23, 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(23, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 255, 245) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5948, 78.2947, 98.7266 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(23, 255, 245) }
```



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

```
.border{ border-color:rgb(23, 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(23, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(23, 255,  
245) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5948, 78.2947, 98.7266 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(23, 255, 245) }
```

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

```
.background{ background-color: rgb(23, 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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