

# Converting Colors

XYZ(56.6125, 100.0000,  
104.3749)

Have a look what the booklet for  
XYZ(56.6125, 100.0000, 104.3749)  
contains.

<b>XYZ(52.5485, 78.2354, 100.3270)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(52.5485, 78.2354,  
100.3270)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00FFF7
RGB	0, 255, 247
RGB Percent	0%, 100%, 97%
CMY	0.9997, 0.0000, 0.0314
CMYK	1.00, 0.00, 0.03, 0.00
HSL	178°, 100%, 50%
HSV	178°, 100%, 100%
XYZ	52.5485, 78.2354, 100.3270
YIQ	177.8430, -149.4120, -56.5480

# Conversions

## Conversions Part 2

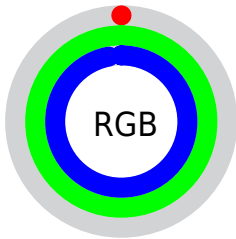
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 130, 255</a>
Decimal	<a href="#">65527</a>
CIELab	<a href="#">90.89, -50.35, -10.33</a>
CIELCh	<a href="#">91, 51.398, 191.594</a>
Yxy	<a href="#">78.2354, 0.2274, 0.3385</a>
Android (android.graphics.Color)	<a href="#">4278255607</a> ( <a href="#">0xFF00FF7</a> )
YUV	<a href="#">177.8430, 34.0944, -155.9683</a>
Hunter-Lab	<a href="#">88.4508, -48.7422, -5.3353</a>

# Details

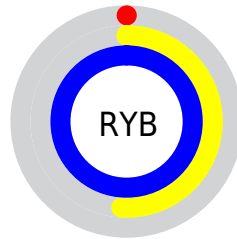
The XYZ color **52.5485, 78.2354, 100.3270** is a light color, and the websafe version is hex **00FFFF**. The color can be described as light saturated cyan. A complement of this color would be **41.2850, 21.2792, 2.1631**, and the grayscale version is **42.1271, 44.3210, 48.2655**.

A 20% lighter version of the original color is **61.5557, 82.7331, 107.3325**, and **29.3702, 43.6941, 56.1760** is the 20% darker color. If you saturate the color by 10%, you get **52.5484, 78.2354, 100.3266**, and if you desaturate by 10%, it is **53.0877, 78.4990, 100.9996**.

# Distribution



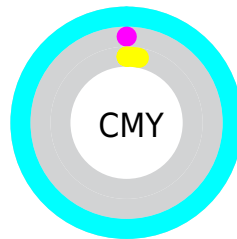
- Red (0%)
- Green (100%)
- Blue (97%)



- Red (0%)
- Yellow (51%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)
- Black (0%)



- Cyan (100%)
- Magenta (0%)
- Yellow (3%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 52.5485, 78.2354, 100.3270 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 52.5485, 78.2354, 100.3270 by changing the saturation by 10% instead.



52.5485, 78.2354,  
100.3270

52.5485, 78.2354,  
100.3270

386.8398,  
488.9659, 582.4962

37.6685, 58.2674,  
75.9553

93.1091, 130.8819,  
163.6623

25.9015, 42.0236,  
55.8894

119.5204,  
164.3292, 203.4629

16.8823, 29.1198,  
39.7108

150.5062,  
203.0383, 249.2435

10.2454, 19.1715,  
27.0011

186.4318,  
247.3937, 301.4227

5.6255, 11.7942,  
17.3416

227.6626,  
297.7798, 360.4191

2.6572, 6.6037,  
10.3138

274.5640,

0.9752, 3.2155,

354.5809, 426.6511

5.4992

327.5012,  
418.1815, 500.5373

■ 0.0000, 1.2453,  
2.4792

■ 0.0000, 0.0982,  
0.8291

■ 52.5485, 78.2354,  
100.3270

■ 52.5485, 78.2354,  
100.3270

■ 52.5484, 78.2354,  
100.3266

■ 53.0877, 78.4990,  
100.9996

■ 54.1657, 79.0404,  
101.6988

■ 55.9478, 79.9447,  
102.4336

■ 58.5346, 81.2638,  
103.2090

■ 62.0107, 83.0412,  
104.0287

■ 66.4497, 85.3150,  
104.8962

■ 71.9178, 88.1192,  
105.8148

■ 78.4752, 91.4850,  
106.7870

■ 86.1776, 95.4409,  
107.8157

# Harmonies

## Analogous

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



53.1581, 78.2354, 64.6038



52.5485, 78.2354, 100.3270



57.2579, 78.2354, 141.8008

# Triad

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



52.5485, 78.2354, 100.3270



92.1351, 78.2354, 150.3799



82.4985, 78.2354, 33.8750

# Complementary

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



52.5485, 78.2354, 100.3270



41.2850, 21.2792, 2.1631

# 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.



94.5686, 78.2354, 46.0896



52.5485, 78.2354, 100.3270



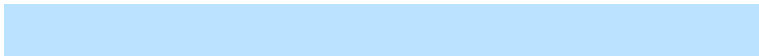
100.5618, 78.2354, 109.7300

# Square

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



52.5485, 78.2354, 100.3270



79.4749, 78.2354, 175.8175



101.5008, 78.2354, 71.6489



69.4701, 78.2354, 32.7034



# Rectangle

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



52.5485, 78.2354, 100.3270



63.1384, 78.2354, 164.5148



101.5008, 78.2354, 71.6489



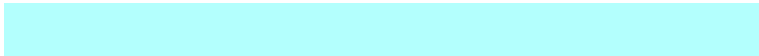
86.8390, 78.2354, 36.6146

# Sweetspot

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



52.5497, 78.2360, 100.3285



71.9010, 88.1106, 105.8121



35.8677, 71.5755, 11.9271



14.8689, 18.5921, 22.5639



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.



52.5497, 78.2360, 100.3285



52.5484, 78.2354, 100.3266



26.8598, 24.8382, 97.9863



18.5288, 20.4710, 23.0876



27.4687, 40.8841, 52.4809



2.6820, 3.9837, 5.1491



# Inverse Universe

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



41.2850, 21.2792, 2.1631



41.2838, 21.2775, 2.1608



47.8418, 34.4629, 4.1325



18.0325, 17.9963, 18.7882



21.5817, 11.1220, 1.1816

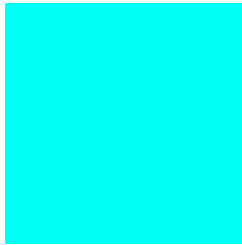


2.1091, 1.0860, 0.1559



# Previews

## White Background



This preview shows how the XYZ color 52.5485, 78.2354, 100.3270 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

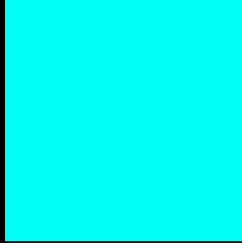
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 52.5485, 78.2354, 100.3270 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 52.5485, 78.2354, 100.3270**

## **Background**



This preview shows how black text looks on a background with the XYZ color 52.5485, 78.2354, 100.3270.



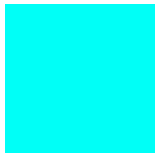
This preview shows how white text looks on a background with the XYZ color 52.5485, 78.2354,



# Color Blindness Simulation

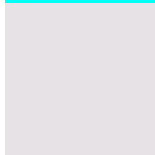
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



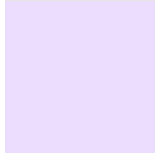
### Original Color

52.5485, 78.2354, 100.3270



### Protanopia

73.9723, 76.8728, 85.0679



### Deuteranopia

78.4985, 76.7658, 105.2877



## Tritanopia

62.9390, 77.4966, 106.2488

# Trichromacy



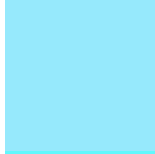
## Original Color

52.5485, 78.2354, 100.3270



## Protanomaly

57.2786, 72.7355, 90.3773



## Deuteranomaly

59.2873, 71.7901, 102.8276



## Tritanomaly

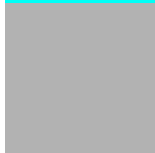
55.7612, 76.0912, 103.8436

# Monochromacy



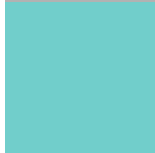
## Original Color

52.5485, 78.2354, 100.3270



## Achromatopsia

42.3164, 44.5201, 48.4824



## Achromatomaly

39.6609, 51.9651, 64.4398

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 52.5485, 78.2354, 100.3270 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(0, 255, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 247)  
}
```

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(0, 255, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 247) }
```

## Border

The CSS property to change the border of an element to XYZ 52.5485, 78.2354, 100.3270 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(0, 255, 247) }
```



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

```
.border{ border-color:rgb(0, 255, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 255, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 255,  
247) }
```

# Background

The CSS property to change the background color of an element to XYZ 52.5485, 78.2354, 100.3270 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 247) }
```

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

```
.background{ background-color: rgb(0, 255,  
247) }
```

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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