

Converting Colors

XYZ(52.4808, 75.2400, 83.6772)

Have a look what the booklet for
XYZ(52.4808, 75.2400, 83.6772)
contains.

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Color

**XYZ(52.5504, 75.3351,
83.7229)**

Conversions

Conversions Part 1

Format	Color
Hex	64F8E2
RGB	100, 248, 226
RGB Percent	39%, 97%, 89%
CMY	0.6078, 0.0274, 0.1137
CMYK	0.60, 0.00, 0.09, 0.03
HSL	171°, 91%, 68%
HSV	171°, 60%, 97%
XYZ	52.5504, 75.3351, 83.7229
YIQ	201.2400, -81.1460, -38.2180

Conversions

Conversions Part 2

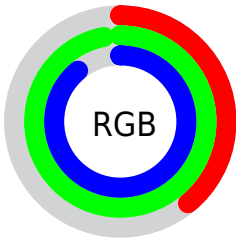
Format	Color
RYB	100, 180, 248
Decimal	6617314
CIELab	89.55, -44.58, -1.25
CIELCh	90, 44.597, 181.600
Yxy	75.3351, 0.2483, 0.3560
Android (android.graphics.Color)	4284807394 (0xFF64F8E2)
YUV	201.2400, 12.2067, -88.7875
Hunter-Lab	86.7958, -43.8201, 3.5661

Details

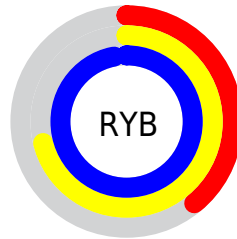
The XYZ color **52.5504, 75.3351, 83.7229** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **46.7840, 30.4781, 21.8322**, and the grayscale version is **55.6310, 58.5282, 63.7372**.

A 20% lighter version of the original color is **68.9143, 86.5265, 107.6769**, and **25.9815, 40.2019, 44.9184** is the 20% darker color. If you saturate the color by 10%, you get **49.7135, 73.9323, 80.9788**, and if you desaturate by 10%, it is **56.2371, 77.1784, 86.5669**.

Distribution



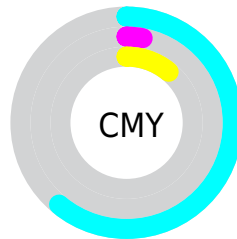
- Red (39%)
- Green (97%)
- Blue (89%)



- Red (39%)
- Yellow (71%)
- Blue (97%)



- Cyan (60%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)




- Cyan (61%)
- Magenta (3%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 52.5504, 75.3351, 83.7229 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 52.5504, 75.3351, 83.7229 by changing the saturation by 10% instead.


 52.5504, 75.3351,
83.7229


 52.5504, 75.3351,
83.7229


386.8469,
479.0686, 527.4266


 37.6700, 55.8875,
62.2426


 93.1119, 126.7866,
140.4458

 25.9027, 40.1127,
44.7917


 119.5237,
159.5592, 176.5254

 16.8832, 27.6264,
30.9516


 150.5100,
197.5423, 218.3086

 10.2460, 18.0442,
20.3039

186.4362,
241.1203, 266.2139

 5.6259, 10.9818,
12.4299

227.6677,
290.6775, 320.6598

 2.6574, 6.0546,
6.9111

274.5697,

 0.9753, 2.8783,

346.5984, 382.0648

3.3289

327.5077,
409.2672, 450.8476

0.0000, 1.0685,
1.2649

0.0000, 0.0000,
0.0328

52.5504, 75.3351,
83.7229

52.5504, 75.3351,
83.7229

49.7135, 73.9323,
80.9788

56.2371, 77.1784,
86.5669

47.6413, 72.9206,
78.3254


60.8359, 79.4888,
89.5090


46.2428, 72.2550,
75.7595


66.4104, 82.3009,
92.5543


45.3684, 71.8583,
73.2739


73.0168, 85.6438,
95.7057

 45.3433, 71.8471,
73.1943

 80.7072, 89.5441,
98.9660

 89.5299, 94.0268,
102.3378

 92.3493, 95.4135,
105.4875

 92.8586, 95.6173,
108.1695

Harmonies

Analogous

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



54.6325, 75.3351, 56.5583



52.5504, 75.3351, 83.7229



55.1250, 75.3351, 117.8576

Triad

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



52.5504, 75.3351, 83.7229



83.2137, 75.3351, 144.8565



82.0928, 75.3351, 39.5935

Complementary

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



52.5504, 75.3351, 83.7229



46.7840, 30.4781, 21.8322

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.



91.0772, 75.3351, 54.3119



52.5504, 75.3351, 83.7229



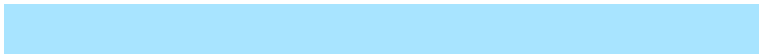
91.7693, 75.3351, 114.1820

Square

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



52.5504, 75.3351, 83.7229



72.1934, 75.3351, 158.2808



94.7820, 75.3351, 80.3544



71.0173, 75.3351, 35.3069

Rectangle

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



52.5504, 75.3351, 83.7229



59.3048, 75.3351, 138.9454



94.7820, 75.3351, 80.3544



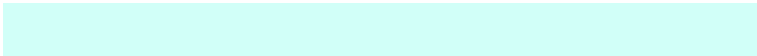
85.4954, 75.3351, 43.2620

Sweetspot

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



52.5526, 75.3380, 83.7247



79.0534, 91.8782, 102.5181



43.9244, 72.2101, 23.6811



16.4449, 19.4246, 21.7299



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.



52.5526, 75.3380, 83.7247



52.3506, 78.4598, 85.5693



41.9863, 49.0596, 96.0667



17.6484, 19.5616, 21.6148



24.5350, 38.8270, 39.7563



2.3016, 3.6077, 3.8359

Inverse Universe

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



46.7840, 30.4781, 21.8322



45.7563, 26.7126, 14.4725



52.2101, 43.2708, 17.6585



17.3497, 17.2673, 18.4315



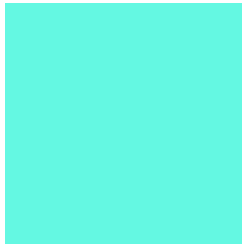
21.1222, 10.8646, 2.0858



1.9867, 1.0184, 0.3531

Previews

White Background



This preview shows how the XYZ color 52.5504, 75.3351, 83.7229 looks on a white background.

Color Contrast Check

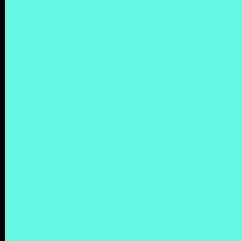
Large Text (above 18pt) WCAG AA × Fail

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 52.5504, 75.3351, 83.7229 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 52.5504, 75.3351, 83.7229

Background



This preview shows how black text looks on a background with the XYZ color 52.5504, 75.3351, 83.7229.

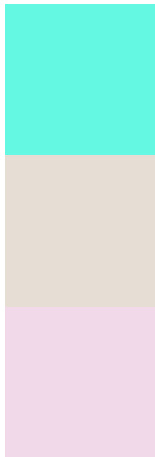


This preview shows how white text looks on a background with the XYZ color 52.5504, 75.3351,

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

52.5504, 75.3351, 83.7229

Protanopia

70.6381, 73.8190, 72.8128

Deuteranopia

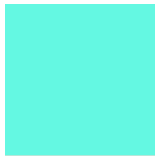
75.7965, 74.2097, 87.4198



Tritanopia

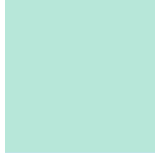
60.5936, 74.9727, 105.8853

Trichromacy



Original Color

52.5504, 75.3351, 83.7229



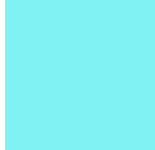
Protanomaly

60.6287, 72.2289, 76.3917



Deuteranomaly

63.2615, 72.1471, 85.4545



Tritanomaly

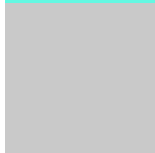
57.1345, 74.7030, 96.9958

Monochromacy



Original Color

52.5504, 75.3351, 83.7229



Achromatopsia

55.5167, 58.4078, 63.6061



Achromatomaly

52.0141, 62.6885, 70.3314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 52.5504, 75.3351, 83.7229 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(100, 248, 226)` looks like.

```
.text, #text, p{  
    color:rgb(100, 248, 226)  
}
```

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(100, 248, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 248, 226) }
```

Border

The CSS property to change the border of an element to XYZ 52.5504, 75.3351, 83.7229 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(100, 248, 226) }
```


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

```
.border{ border-color:rgb(100, 248, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 248, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 248, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 248, 226);  
box-shadow:4px 4px 4px 4px rgb(100, 248,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 52.5504, 75.3351, 83.7229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 248, 226) }
```

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

```
.background{ background-color: rgb(100,  
248, 226) }
```

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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