

Converting Colors

XYZ(48.1294, 75.3062, 53.6138)

Have a look what the booklet for
XYZ(48.1294, 75.3062, 53.6138)
contains.

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Color

**XYZ(48.0265, 75.0522,
53.5502)**

Conversions

Conversions Part 1

Format	Color
Hex	67FBB1
RGB	103, 251, 177
RGB Percent	40%, 98%, 69%
CMY	0.5961, 0.0157, 0.3059
CMYK	0.59, 0.00, 0.29, 0.02
HSL	150°, 95%, 69%
HSV	150°, 59%, 98%
XYZ	48.0265, 75.0522, 53.5502
YIQ	198.3120, -64.4540, -54.3900

Conversions

Conversions Part 2

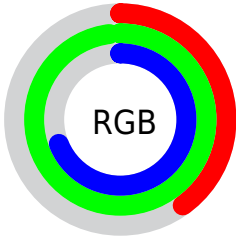
Format	Color
RYB	103, 202, 251
Decimal	6814641
CIELab	89.42, -56.14, 23.89
CIELCh	89, 61.010, 156.952
Yxy	75.0522, 0.2719, 0.4249
Android (android.graphics.Color)	4285004721 (0xFF67FBB1)
YUV	198.3120, -10.5068, -83.5886
Hunter-Lab	86.6327, -52.6522, 23.9940

Details

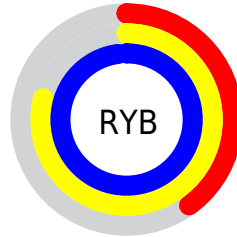
The XYZ color **48.0265, 75.0522, 53.5502** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **52.5722, 33.3858, 45.2711**, and the grayscale version is **53.9581, 56.7681, 61.8205**.

A 20% lighter version of the original color is **65.9850, 85.4025, 90.0974**, and **23.0173, 39.7546, 25.5290** is the 20% darker color. If you saturate the color by 10%, you get **44.3742, 73.3093, 47.1476**, and if you desaturate by 10%, it is **52.6617, 77.2925, 60.6027**.

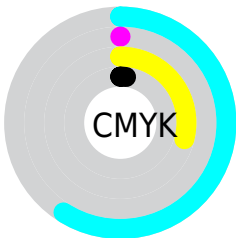
Distribution



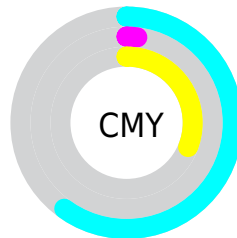
- Red (40%)
- Green (98%)
- Blue (69%)



- Red (40%)
- Yellow (79%)
- Blue (98%)



- Cyan (59%)
- Magenta (0%)
- Yellow (29%)
- Black (2%)





- Cyan (60%)
- Magenta (2%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.0265, 75.0522, 53.5502 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 48.0265, 75.0522, 53.5502 by changing the saturation by 10% instead.


 48.0265, 75.0522,
53.5502


 48.0265, 75.0522,
53.5502


369.4780,
478.0970, 417.5185


 34.0592, 55.6557,
37.8514


 86.4533, 126.3862,
96.8632

 23.1022, 39.9269,
25.5665


 111.6436,
159.0925, 125.3146

 14.7901, 27.4816,
16.2767


 141.3055,
197.0042, 158.8539

 8.7576, 17.9352,
9.5637

175.8045,
240.5057, 197.8997

 4.6392, 10.9035,
5.0089

215.5059,
289.9813, 242.8705

 2.0697, 6.0020,
2.1936

260.7750,

 0.6727, 2.8463,

345.8154, 294.1849

0.6707

311.9773,
408.3925, 352.2613

0.0000, 1.0520,
0.0000

0.0000, 0.0000,
0.0000

48.0265, 75.0522,
53.5502

48.0265, 75.0522,
53.5502

44.3742, 73.3093,
47.1476

52.6617, 77.2925,
60.6027

41.6158, 72.0124,
41.3698


58.3469, 80.0584,
68.3189


39.6552, 71.1141,
36.1971


65.1499, 83.3866,
76.7184


38.3489, 70.5409,
31.6051

73.1310, 87.3079,
85.8186

 38.2322, 70.4905,
31.1607

 82.3458, 91.8505,
95.6360

 92.8467, 97.0413,
106.1865

 93.7885, 97.4770,
108.4795

Harmonies

Analogous

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



55.4180, 75.0522, 32.0196



48.0265, 75.0522, 53.5502



46.4447, 75.0522, 92.0903

Triad

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



48.0265, 75.0522, 53.5502



74.8698, 75.0522, 193.6483



96.8494, 75.0522, 41.5600

Complementary

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



48.0265, 75.0522, 53.5502



52.5722, 33.3858, 45.2711

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.



103.8282, 75.0522, 72.1573



48.0265, 75.0522, 53.5502



90.0402, 75.0522, 166.7001

Square

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



48.0265, 75.0522, 53.5502



60.6665, 75.0522, 183.2407



101.1768, 75.0522, 118.3556



83.1859, 75.0522, 26.9765

Rectangle

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



48.0265, 75.0522, 53.5502



48.6649, 75.0522, 124.9807



101.1768, 75.0522, 118.3556



100.1359, 75.0522, 49.8071

Sweetspot

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



48.0285, 75.0552, 53.5519



76.6553, 90.9189, 89.8897



55.6462, 79.6163, 25.2675



15.8564, 19.1893, 18.6314



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.



48.0285, 75.0552, 53.5519



45.3238, 75.6713, 47.5636



57.1193, 78.6915, 101.4234



17.3793, 19.4540, 20.1982



20.1692, 37.0807, 16.7660



1.9215, 3.4557, 1.8346

Inverse Universe

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



52.5722, 33.3858, 45.2711



50.4294, 28.8485, 38.2586



47.2098, 31.2408, 17.0335



17.6066, 17.3700, 19.7841



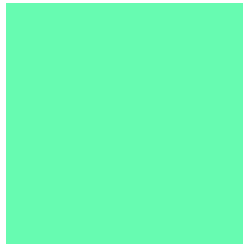
22.9481, 11.5950, 11.7012



2.1789, 1.0953, 1.3655

Previews

White Background



This preview shows how the XYZ color 48.0265, 75.0522, 53.5502 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 48.0265, 75.0522, 53.5502 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 48.0265, 75.0522, 53.5502

Background



This preview shows how black text looks on a background with the XYZ color 48.0265, 75.0522, 53.5502.

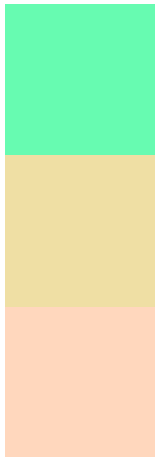


This preview shows how white text looks on a background with the XYZ color 48.0265, 75.0522,

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

48.0265, 75.0522, 53.5502

Protanopia

68.6851, 73.8064, 45.7479

Deuteranopia

74.7257, 73.5350, 58.3993



Tritanopia

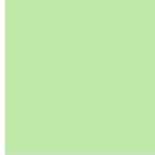
60.6572, 74.5721, 105.8046

Trichromacy



Original Color

48.0265, 75.0522, 53.5502



Protanomaly

57.5355, 72.0895, 48.4183



Deuteranomaly

60.3198, 71.2689, 56.4760



Tritanomaly

55.2758, 74.4725, 84.1343

Monochromacy



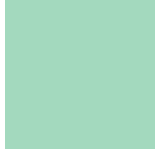
Original Color

48.0265, 75.0522, 53.5502



Achromatopsia

53.6758, 56.4712, 61.4971



Achromatomaly

49.2114, 61.1299, 57.9207

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.0265, 75.0522, 53.5502 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(103, 251, 177)` looks like.

```
.text, #text, p{  
    color:rgb(103, 251, 177)  
}
```

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(103, 251, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 251, 177) }
```

Border

The CSS property to change the border of an element to XYZ 48.0265, 75.0522, 53.5502 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(103, 251, 177) }
```


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

```
.border{ border-color:rgb(103, 251, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 251, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 251, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 251, 177);  
box-shadow:4px 4px 4px 4px rgb(103, 251,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 48.0265, 75.0522, 53.5502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 251, 177) }
```

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

```
.background{ background-color: rgb(103,  
251, 177) }
```

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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