

Converting Colors

XYZ(48.4994, 82.8485, 58.0610)

Have a look what the booklet for
XYZ(48.4994, 82.8485, 58.0610)
contains.

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Color

**XYZ(44.6606, 75.1211,
56.9457)**

Conversions

Conversions Part 1

Format	Color
Hex	17FFB7
RGB	23, 255, 183
RGB Percent	9%, 100%, 72%
CMY	0.9097, 0.0000, 0.2823
CMYK	0.91, 0.00, 0.28, 0.00
HSL	161°, 100%, 55%
HSV	161°, 91%, 100%
XYZ	44.6606, 75.1211, 56.9457
YIQ	177.4240, -115.1600, -71.5760

Conversions

Conversions Part 2

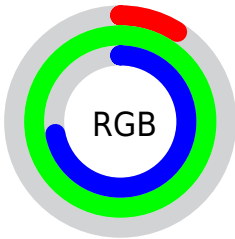
Format	Color
R_{YB}	23, 160, 255
Decimal	1572791
CIE _{Lab}	89.45, -65.81, 20.67
CIE _{LCh}	89, 68.979, 162.561
Yxy	75.1211, 0.2527, 0.4251
Android (android.graphics.Color)	4279762871 (0xFF17FFB7)
YUV	177.4240, 2.7490, -135.4298
Hunter-Lab	86.6724, -59.6992, 21.7159

Details

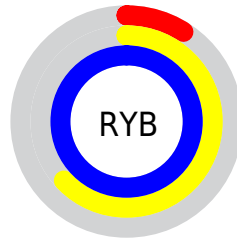
The XYZ color **44.6606, 75.1211, 56.9457** is a light color, and the websafe version is hex **00FFCC**. The color can be described as light washed spring green. A complement of this color would be **43.6131, 22.7001, 12.9133**, and the grayscale version is **42.0450, 44.2346, 48.1715**.

A 20% lighter version of the original color is **59.0857, 81.7451, 94.3256**, and **23.9955, 41.5442, 27.8732** is the 20% darker color. If you saturate the color by 10%, you get **43.5824, 74.6490, 53.1124**, and if you desaturate by 10%, it is **46.3983, 75.9190, 61.4504**.

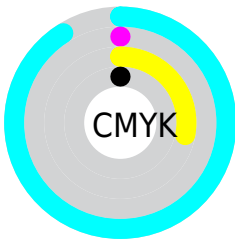
Distribution



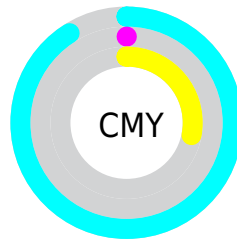
- Red (9%)
- Green (100%)
- Blue (72%)



- Red (9%)
- Yellow (63%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (91%)
- Magenta (0%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.6606, 75.1211, 56.9457 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 44.6606, 75.1211, 56.9457 by changing the saturation by 10% instead.


 44.6606, 75.1211,
56.9457


 44.6606, 75.1211,
56.9457


356.2041,
478.3337, 430.7338

 31.3903, 55.7121,
40.5526


 81.4511, 126.4838,
101.8855


 21.0495, 39.9721,
27.6526


 105.7020,
159.2062, 131.2693


 13.2729, 27.5168,
17.8272


 134.3438,
197.1353, 165.8203

 7.6950, 17.9618,
10.6578

 167.7419,
240.6554, 205.9572

 3.9506, 10.9225,
5.7260

 206.2616,
290.1509, 252.0984

 1.6742, 6.0148,
2.6131

250.2683,

 0.4400, 2.8541,

346.0062, 304.6626

0.8992

300.1274,
408.6056, 364.0682

■ 0.0000, 1.0560,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.6606, 75.1211,
56.9457

■ 44.6606, 75.1211,
56.9457

■ 43.5824, 74.6490,
53.1124

■ 46.3983, 75.9190,
61.4504

■ 48.8746, 77.0923,
66.2342

■ 52.1938, 78.6945,
71.3067

■ 56.4422, 80.7702,
76.6759

61.6952, 83.3581,
82.3488

68.0202, 86.4929,
88.3320

75.4788, 90.2062,
94.6320

84.1276, 94.5272,
101.2547

94.0193, 99.4830,
108.2059

Harmonies

Analogous

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



51.5928, 75.1211, 30.5993



44.6606, 75.1211, 56.9457



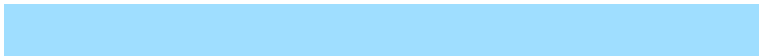
44.1389, 75.1211, 103.7581

Triad

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



44.6606, 75.1211, 56.9457



78.7061, 75.1211, 210.4700



98.1200, 75.1211, 33.6012

Complementary

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



44.6606, 75.1211, 56.9457



43.6131, 22.7001, 12.9133

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.



108.0618, 75.1211, 63.1715



44.6606, 75.1211, 56.9457



95.7218, 75.1211, 171.3143

Square

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



44.6606, 75.1211, 56.9457



62.0947, 75.1211, 206.6428



107.1207, 75.1211, 112.9872



81.5922, 75.1211, 21.2449

Rectangle

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



44.6606, 75.1211, 56.9457



47.3575, 75.1211, 142.8278



107.1207, 75.1211, 112.9872



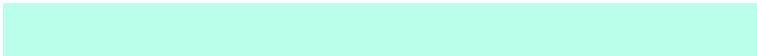
102.4520, 75.1211, 41.2232

Sweetspot

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



44.6613, 75.1214, 56.9470



70.8446, 87.8973, 90.7968



40.7893, 74.0948, 12.9635



14.6418, 18.5541, 18.9802



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.



44.6613, 75.1214, 56.9470



43.5824, 74.6490, 53.1124



42.0650, 54.7247, 102.9536



18.3008, 20.3798, 21.8867



22.8430, 39.0338, 28.1220



2.2733, 3.8202, 2.9969

Inverse Universe

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



43.6131, 22.7001, 12.9133



42.6565, 21.8266, 9.3889



43.3168, 25.1658, 3.3860



18.2415, 18.0799, 19.8890



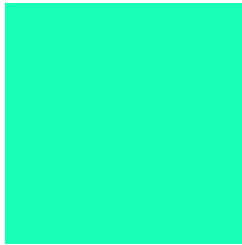
22.3475, 11.4283, 5.2143



2.2225, 1.1314, 0.7531

Previews

White Background



This preview shows how the XYZ color 44.6606, 75.1211, 56.9457 looks on a white background.

Color Contrast Check

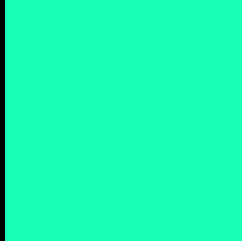
Large Text (above 18pt) WCAG AA × Fail

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 44.6606, 75.1211, 56.9457 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

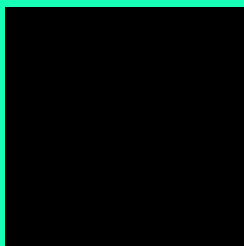
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

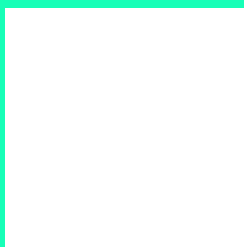
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 44.6606, 75.1211, 56.9457

Background



This preview shows how black text looks on a background with the XYZ color 44.6606, 75.1211, 56.9457.



This preview shows how white text looks on a background with the XYZ color 44.6606, 75.1211, 56.9457.

Color Blindness Simulation

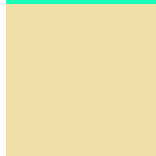
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



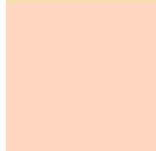
Original Color

44.6606, 75.1211, 56.9457



Protanopia

68.4491, 73.2468, 47.5762



Deuteranopia

74.8010, 73.1589, 60.0478



Tritanopia

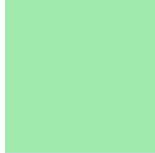
59.0698, 74.1872, 105.8140

Trichromacy



Original Color

44.6606, 75.1211, 56.9457



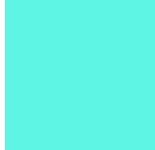
Protanomaly

51.4628, 69.3364, 50.2060



Deuteranomaly

53.9992, 68.3707, 58.4949



Tritanomaly

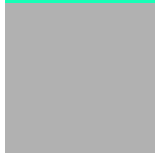
51.5146, 73.3949, 85.5803

Monochromacy



Original Color

44.6606, 75.1211, 56.9457



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

37.8532, 50.9823, 50.4933

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.6606, 75.1211, 56.9457 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, 183)` looks like.

```
.text, #text, p{  
    color:rgb(23, 255, 183)  
}
```

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, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(23, 255, 183) }
```

Border

The CSS property to change the border of an element to XYZ 44.6606, 75.1211, 56.9457 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, 183) }
```


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

```
.border{ border-color:rgb(23, 255, 183) }
```

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, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(23, 255, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(23, 255, 183);  
box-shadow:4px 4px 4px 4px rgb(23, 255,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 44.6606, 75.1211, 56.9457 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, 183) }
```

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

```
.background{ background-color: rgb(23, 255,  
183) }
```

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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