

Converting Colors

XYZ(47.5331, 69.3503, 75.1695)

Have a look what the booklet for
XYZ(47.5331, 69.3503, 75.1695)
contains.

XYZ(47.5457, 69.3503, 75.1700)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(47.5457, 69.3503,
75.1700)**

Conversions

Conversions Part 1

Format	Color
Hex	59F0D7
RGB	89, 240, 215
RGB Percent	35%, 94%, 84%
CMY	0.6510, 0.0588, 0.1569
CMYK	0.63, 0.00, 0.10, 0.06
HSL	170°, 83%, 65%
HSV	170°, 63%, 94%
XYZ	47.5457, 69.3503, 75.1700
YIQ	192.0010, -81.9710, -39.7870

Conversions

Conversions Part 2

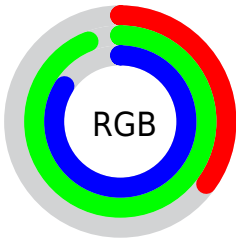
Format	Color
RYB	89, 171, 240
Decimal	5894359
CIELab	86.68, -45.66, 0.27
CIELCh	87, 45.663, 179.665
Yxy	69.3503, 0.2475, 0.3611
Android (android.graphics.Color)	4284084439 (0xFF59F0D7)
YUV	192.0010, 11.3385, -90.3319
Hunter-Lab	83.2768, -43.8225, 4.7755

Details

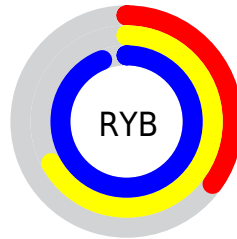
The XYZ color **47.5457, 69.3503, 75.1700** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **42.5472, 26.8870, 18.8696**, and the grayscale version is **50.0758, 52.6836, 57.3725**.

A 20% lighter version of the original color is **66.9469, 85.5123, 107.5848**, and **23.2786, 36.4050, 39.0577** is the 20% darker color. If you saturate the color by 10%, you get **45.1030, 68.1510, 72.4236**, and if you desaturate by 10%, it is **50.7552, 70.9468, 78.0201**.

Distribution



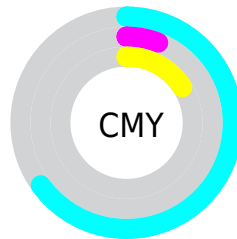
- Red (35%)
- Green (94%)
- Blue (84%)



- Red (35%)
- Yellow (67%)
- Blue (94%)



- Cyan (63%)
- Magenta (0%)
- Yellow (10%)
- Black (6%)




- Cyan (65%)
- Magenta (6%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.5457, 69.3503, 75.1700 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 47.5457, 69.3503, 75.1700 by changing the saturation by 10% instead.


 47.5457, 69.3503,
75.1700


 47.5457, 69.3503,
75.1700

367.6012,
458.2655, 497.7727


 33.6770, 50.9970,
55.2496


 85.7414, 118.2818,
128.3023


 22.8073, 36.2063,
39.2016

 110.7991,
149.6288, 162.3513

 14.5712, 24.5935,
26.6076


 140.3173,
186.0758, 201.9468

 8.6033, 15.7745,
17.0489

 174.6611,
228.0073, 247.5075

 4.5384, 9.3647,
10.1070

214.1961,
275.8076, 299.4520

 2.0110, 4.9798,
5.3635

259.2875,

 0.6401, 2.2354,

329.8612, 358.1986

2.3996

310.3008,
390.5523, 424.1660

■ 0.0000, 0.7392,
0.7862

■ 0.0000, 0.0000,
0.0000

■ 47.5457, 69.3503,
75.1700

■ 47.5457, 69.3503,
75.1700

■ 45.1030, 68.1510,
72.4236

■ 50.7552, 70.9468,
78.0201

■ 43.3450, 67.3016,
69.7720


■ 54.7915, 72.9664,
80.9726

■ 42.1815, 66.7572,
67.2121


■ 59.7154, 75.4422,
84.0323


■ 41.6174, 66.5049,
65.4487


■ 65.5802, 78.4015,
87.2021

 72.4351, 81.8698,
90.4848

 80.3258, 85.8705,
93.8829

 88.5516, 90.0426,
97.3641

 89.1579, 90.2851,
100.5564

 89.7772, 90.5328,
103.8176

Harmonies

Analogous

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



49.8276, 69.3503, 49.6774



47.5457, 69.3503, 75.1700



49.7288, 69.3503, 108.2796

Triad

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



47.5457, 69.3503, 75.1700



76.5378, 69.3503, 138.5137



76.7660, 69.3503, 35.4731

Complementary

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



47.5457, 69.3503, 75.1700



42.5472, 26.8870, 18.8696

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.



85.2807, 69.3503, 50.1258



47.5457, 69.3503, 75.1700



85.1394, 69.3503, 109.0328

Square

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



47.5457, 69.3503, 75.1700



65.7963, 69.3503, 150.3084



88.4950, 69.3503, 75.8524



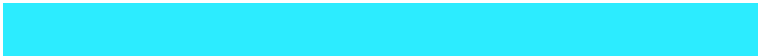
66.0346, 69.3503, 30.8556

Rectangle

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



47.5457, 69.3503, 75.1700



53.5720, 69.3503, 129.3835



88.4950, 69.3503, 75.8524



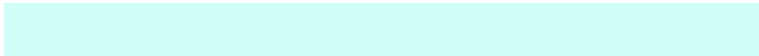
80.0225, 69.3503, 39.1533

Sweetspot

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



47.5477, 69.3530, 75.1716



78.1516, 91.4347, 101.5072



39.9267, 66.6328, 20.2099



16.2629, 19.3358, 21.4974



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.



47.5477, 69.3530, 75.1716



51.2223, 77.9473, 82.3932



38.1917, 45.1005, 89.1334



16.1284, 17.8814, 19.6991



22.8238, 36.4215, 36.0506



1.9283, 3.0418, 3.1549

Inverse Universe

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



42.5472, 26.8870, 18.8696



45.1439, 25.7325, 13.5137



47.0218, 37.8110, 14.2727



15.8796, 15.8015, 16.9220



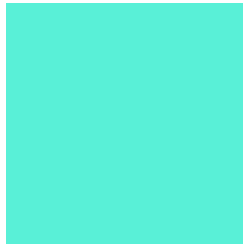
19.9110, 10.2368, 2.1818



1.6874, 0.8640, 0.3446

Previews

White Background



This preview shows how the XYZ color 47.5457, 69.3503, 75.1700 looks on a white background.

Color Contrast Check

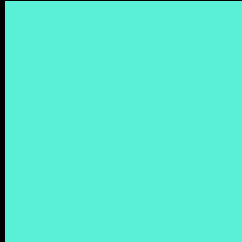
Large Text (above 18pt) WCAG AA × Fail

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 47.5457, 69.3503, 75.1700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

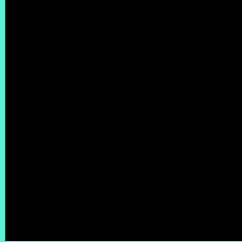
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

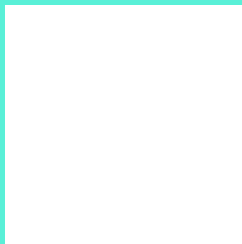
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 47.5457, 69.3503, 75.1700

Background



This preview shows how black text looks on a background with the XYZ color 47.5457, 69.3503, 75.1700.

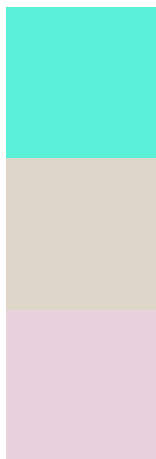


This preview shows how white text looks on a background with the XYZ color 47.5457, 69.3503,

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

47.5457, 69.3503, 75.1700

Protanopia

64.7134, 67.8398, 64.9420

Deuteranopia

69.5896, 68.1985, 78.6031



Tritanopia

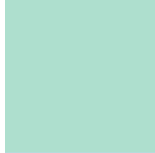
52.9781, 68.9407, 103.4432

Trichromacy



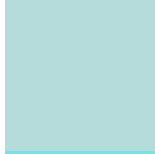
Original Color

47.5457, 69.3503, 75.1700



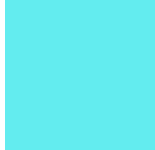
Protanomaly

54.9838, 66.2303, 68.2783



Deuteranomaly

57.4354, 66.1246, 76.7540



Tritanomaly

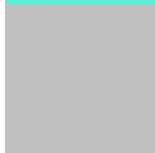
50.7210, 68.8755, 92.2824

Monochromacy



Original Color

47.5457, 69.3503, 75.1700



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

46.7434, 56.7396, 63.1318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.5457, 69.3503, 75.1700 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(89, 240, 215)` looks like.

```
.text, #text, p{  
    color:rgb(89, 240, 215)  
}
```

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(89, 240, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 240, 215) }
```

Border

The CSS property to change the border of an element to XYZ 47.5457, 69.3503, 75.1700 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(89, 240, 215) }
```


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

```
.border{ border-color:rgb(89, 240, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 240, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 240, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 240, 215);  
box-shadow:4px 4px 4px 4px rgb(89, 240,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 47.5457, 69.3503, 75.1700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 240, 215) }
```

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

```
.background{ background-color: rgb(89, 240,  
215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor