

Converting Colors

XYZ(43.3415, 65.2027, 66.7437)

Have a look what the booklet for
XYZ(43.3415, 65.2027, 66.7437)
contains.

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Color

**XYZ(43.3895, 65.2243,
66.8026)**

Conversions

Conversions Part 1

Format	Color
Hex	4BEBCB
RGB	75, 235, 203
RGB Percent	29%, 92%, 80%
CMY	0.7059, 0.0784, 0.2039
CMYK	0.68, 0.00, 0.14, 0.08
HSL	168°, 80%, 61%
HSV	168°, 68%, 92%
XYZ	43.3895, 65.2243, 66.8026
YIQ	183.5120, -85.0880, -43.8720

Conversions

Conversions Part 2

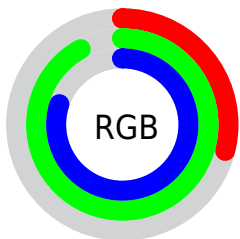
Format	Color
RYB	75, 164, 235
Decimal	4975563
CIELab	84.60, -48.62, 3.50
CIELCh	85, 48.751, 175.880
Yxy	65.2243, 0.2474, 0.3718
Android (android.graphics.Color)	4283165643 (0xFF4BEBCB)
YUV	183.5120, 9.6076, -95.1650
Hunter-Lab	80.7616, -45.4328, 7.4909

Details

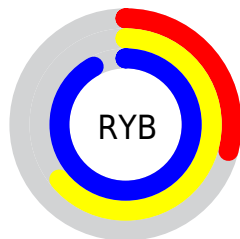
The XYZ color **43.3895, 65.2243, 66.8026** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted cyan. A complement of this color would be **39.4331, 23.7577, 16.4199**, and the grayscale version is **45.2753, 47.6332, 51.8725**.

A 20% lighter version of the original color is **64.9653, 84.4908, 107.4921**, and **21.3452, 34.0107, 33.8735** is the 20% darker color. If you saturate the color by 10%, you get **41.3282, 64.2270, 63.8273**, and if you desaturate by 10%, it is **46.1499, 66.5832, 69.9021**.

Distribution



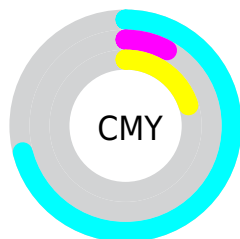
- Red (29%)
- Green (92%)
- Blue (80%)



- Red (29%)
- Yellow (64%)
- Blue (92%)



- Cyan (68%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)





- Cyan (71%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.3895, 65.2243, 66.8026 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 43.3895, 65.2243, 66.8026 by changing the saturation by 10% instead.


 43.3895, 65.2243,
66.8026


 43.3895, 65.2243,
66.8026


351.1056,
443.5976, 467.7241


 30.3867, 47.6430,
48.4636


 79.5504, 112.3723,
116.2755

 20.2818, 33.5442,
33.8316

 103.4391,
142.7077, 148.2465

 12.7095, 22.5437,
22.4879

 131.6872,
178.0633, 185.5985

 7.3044, 14.2569,
14.0141

 164.6600,
218.8235, 228.7502

 3.7012, 8.2996,
7.9916

202.7229,
265.3726, 278.1201

 1.5345, 4.2872,
4.0019

246.2412,

 0.3492, 1.8355,

318.0950, 334.1267

1.6264

295.5803,
377.3752, 397.1885

■ 0.0000, 0.5092,
0.3095

■ 0.0000, 0.0000,
0.0000

■ 43.3895, 65.2243,
66.8026

■ 43.3895, 65.2243,
66.8026

■ 41.3282, 64.2270,
63.8273

■ 46.1499, 66.5832,
69.9021

■ 39.8813, 63.5429,
60.9673


■ 49.6712, 68.3308,
73.1253


■ 38.9403, 63.1177,
58.2180


■ 54.0141, 70.5000,
76.4771


■ 38.7864, 63.0496,
57.7020


■ 59.2320, 73.1182,
79.9607

 65.3736, 76.2106,
83.5793

 72.4839, 79.8003,
87.3356

 80.6050, 83.9090,
91.2323

 86.7677, 87.0061,
95.1312

 87.4776, 87.2901,
98.8694

Harmonies

Analogous

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



46.2446, 65.2243, 42.4458



43.3895, 65.2243, 66.8026



45.0201, 65.2243, 100.4950

Triad

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



43.3895, 65.2243, 66.8026



71.5759, 65.2243, 139.6686



74.4775, 65.2243, 32.0836

Complementary

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



43.3895, 65.2243, 66.8026



39.4331, 23.7577, 16.4199

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.



82.7733, 65.2243, 47.9551



43.3895, 65.2243, 66.8026



80.9653, 65.2243, 110.1820

Square

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



43.3895, 65.2243, 66.8026



60.5038, 65.2243, 149.0561



85.2754, 65.2243, 75.4075



63.5080, 65.2243, 26.4694

Rectangle

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



43.3895, 65.2243, 66.8026



48.5470, 65.2243, 123.2655



85.2754, 65.2243, 75.4075



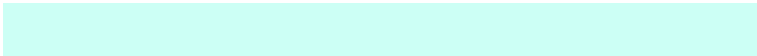
77.7191, 65.2243, 36.1195

Sweetspot

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



43.3913, 65.2268, 66.8041



77.1126, 90.9377, 99.7140



37.3695, 63.2210, 16.8913



16.0477, 19.2339, 21.0781



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.



43.3913, 65.2268, 66.8041



48.9149, 76.9116, 75.3357



36.2406, 44.1793, 85.2175



15.3810, 17.0672, 18.6894



21.6323, 35.1074, 32.3585



1.7314, 2.7699, 2.7134

Inverse Universe

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



39.4331, 23.7577, 16.4199



43.9631, 23.9062, 11.4698



42.2898, 31.6857, 10.5450



15.1886, 15.1033, 16.2787



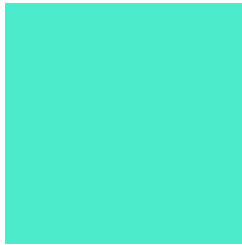
19.3895, 9.9585, 2.5864



1.5560, 0.7954, 0.3794

Previews

White Background



This preview shows how the XYZ color 43.3895, 65.2243, 66.8026 looks on a white background.

Color Contrast Check

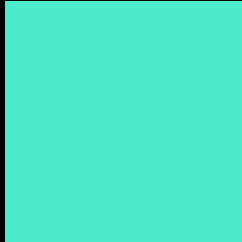
Large Text (above 18pt) WCAG AA × Fail

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 43.3895, 65.2243, 66.8026 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

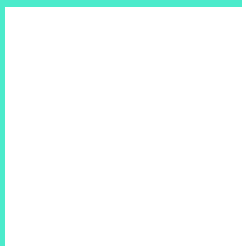
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.3895, 65.2243, 66.8026

Background



This preview shows how black text looks on a background with the XYZ color 43.3895, 65.2243, 66.8026.



This preview shows how white text looks on a background with the XYZ color 43.3895, 65.2243,

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

43.3895, 65.2243, 66.8026

Protanopia

60.8992, 64.1805, 57.3225

Deuteranopia

65.3019, 64.0230, 69.8887



Tritanopia

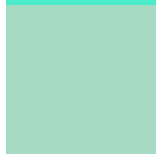
49.6317, 65.2408, 97.9726

Trichromacy



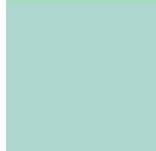
Original Color

43.3895, 65.2243, 66.8026



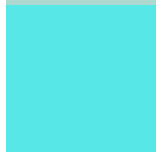
Protanomaly

50.5349, 62.1448, 60.3706



Deuteranomaly

52.7965, 61.9901, 68.2141



Tritanomaly

47.0242, 64.9961, 85.6684

Monochromacy



Original Color

43.3895, 65.2243, 66.8026



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.2615, 52.4028, 57.1775

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.3895, 65.2243, 66.8026 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(75, 235, 203)` looks like.

```
.text, #text, p{  
    color:rgb(75, 235, 203)  
}
```

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(75, 235, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 235, 203) }
```

Border

The CSS property to change the border of an element to XYZ 43.3895, 65.2243, 66.8026 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(75, 235, 203) }
```


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

```
.border{ border-color:rgb(75, 235, 203) }
```

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

Here you see how a box with a 4 pixel rgb(75, 235, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 235, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 235, 203);  
box-shadow:4px 4px 4px 4px rgb(75, 235,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 43.3895, 65.2243, 66.8026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 235, 203) }
```

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

```
.background{ background-color: rgb(75, 235,  
203) }
```

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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