

Converting Colors

XYZ(45.3915, 63.4919, 61.6772)

Have a look what the booklet for
XYZ(45.3915, 63.4919, 61.6772)
contains.

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Color

**XYZ(45.3395, 63.4200,
61.4814)**

Conversions

Conversions Part 1

Format	Color
Hex	78E4C3
RGB	120, 228, 195
RGB Percent	47%, 89%, 76%
CMY	0.5294, 0.1059, 0.2353
CMYK	0.47, 0.00, 0.14, 0.11
HSL	162°, 67%, 68%
HSV	162°, 47%, 89%
XYZ	45.3395, 63.4200, 61.4814
YIQ	191.9460, -53.7750, -33.1590

Conversions

Conversions Part 2

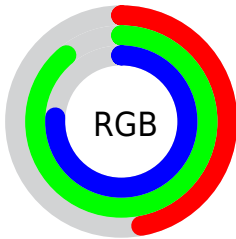
Format	Color
RYB	120, 184, 228
Decimal	7922883
CIELab	83.66, -38.91, 6.53
CIELCh	84, 39.449, 170.479
Yxy	63.4200, 0.2663, 0.3725
Android (android.graphics.Color)	4286112963 (0xFF78E4C3)
YUV	191.9460, 1.5056, -63.0966
Hunter-Lab	79.6367, -37.7389, 9.9724

Details

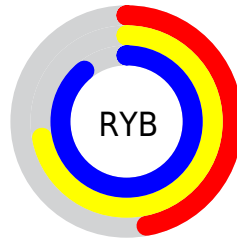
The XYZ color **45.3395, 63.4200, 61.4814** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **44.4633, 32.2286, 34.0168**, and the grayscale version is **50.0869, 52.6953, 57.3852**.

A 20% lighter version of the original color is **71.6908, 88.0133, 105.3052**, and **21.4237, 32.3888, 30.3218** is the 20% darker color. If you saturate the color by 10%, you get **41.7768, 61.6739, 57.2989**, and if you desaturate by 10%, it is **49.6953, 65.5740, 65.8957**.

Distribution



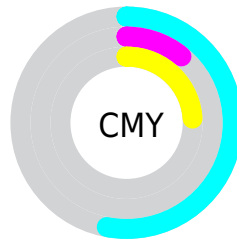
- Red (47%)
- Green (89%)
- Blue (76%)



- Red (47%)
- Yellow (72%)
- Blue (89%)



- Cyan (47%)
- Magenta (0%)
- Yellow (14%)
- Black (11%)





- Cyan (53%)
- Magenta (11%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3395, 63.4200, 61.4814 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 45.3395, 63.4200, 61.4814 by changing the saturation by 10% instead.


 45.3395, 63.4200,
61.4814


 45.3395, 63.4200,
61.4814


358.9074,
437.0921, 447.9922


 31.9273, 46.1811,
44.1807


 82.4636, 109.7752,
108.5400

 21.4613, 32.3887,
30.4744


 106.9062,
139.6603, 139.1349

 13.5760, 21.6586,
19.9438


 135.7563,
174.5295, 174.9984

 7.9061, 13.6063,
12.1705

169.3794,
214.7674, 216.5489

 4.0862, 7.8473,
6.7360

208.1406,
260.7581, 264.2050

 1.7510, 3.9974,
3.2216

252.4055,

 0.4879, 1.6721,

312.8863, 318.3852

1.2089

302.5393,
371.5361, 379.5081

■ 0.0000, 0.4055,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3395, 63.4200,
61.4814

■ 45.3395, 63.4200,
61.4814

■ 41.7768, 61.6739,
57.2989

■ 49.6953, 65.5740,
65.8957

■ 38.9471, 60.2998,
53.3386


■ 54.8883, 68.1536,
70.5423


■ 36.7900, 59.2684,
49.5965


■ 60.9656, 71.1847,
75.4271

■ 35.2330, 58.5423,
46.0665


■ 67.9692, 74.6890,
80.5547


 34.1793, 58.0716,
42.7412


 75.9382, 78.6864,
85.9293

 33.9446, 57.9690,
41.8977

 84.2421, 82.8520,
91.5236

 85.2791, 83.2668,
96.9843

 86.3561, 83.6976,
102.6556

 87.0345, 83.9690,
106.2282

Harmonies

Analogous

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



48.3547, 63.4200, 42.9944



45.3395, 63.4200, 61.4814



46.0217, 63.4200, 87.0651

Triad

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



45.3395, 63.4200, 61.4814



66.2774, 63.4200, 123.8773



71.4763, 63.4200, 38.4800

Complementary

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



45.3395, 63.4200, 61.4814



44.4633, 32.2286, 34.0168

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.



77.2126, 63.4200, 53.7150



45.3395, 63.4200, 61.4814



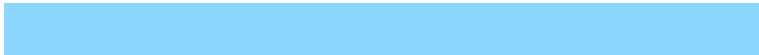
74.0178, 63.4200, 103.9563

Square

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



45.3395, 63.4200, 61.4814



57.5733, 63.4200, 127.3801



78.1847, 63.4200, 77.2233



63.0677, 63.4200, 31.9673

Rectangle

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



45.3395, 63.4200, 61.4814



48.5088, 63.4200, 104.7578



78.1847, 63.4200, 77.2233



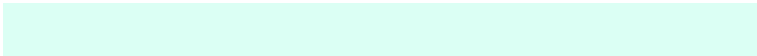
73.8135, 63.4200, 42.5521

Sweetspot

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



45.3413, 63.4225, 61.4829



81.4067, 93.1638, 99.3522



44.5001, 63.7352, 27.7272



17.0208, 19.7391, 20.9625



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.



45.3413, 63.4225, 61.4829



53.8528, 79.4949, 73.8611



44.3560, 54.8062, 81.6425



14.6101, 16.2574, 17.4773



19.6553, 33.4942, 24.4829



1.4934, 2.4915, 2.0249

Inverse Universe

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



44.4633, 32.2286, 34.0168



52.6164, 34.6718, 34.5195



44.7360, 36.5497, 22.4674



14.5574, 14.4401, 15.8697



19.1538, 9.7957, 4.4388



1.4557, 0.7400, 0.5402

Previews

White Background



This preview shows how the XYZ color 45.3395, 63.4200, 61.4814 looks on a white background.

Color Contrast Check

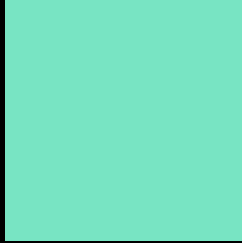
Large Text (above 18pt) WCAG AA × Fail

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 45.3395, 63.4200, 61.4814 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

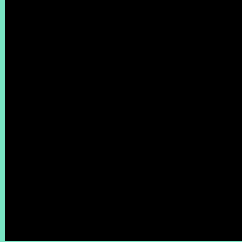
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

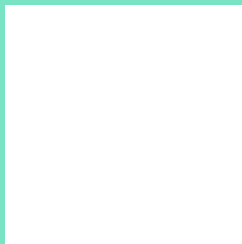
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.3395, 63.4200, 61.4814

Background



This preview shows how black text looks on a background with the XYZ color 45.3395, 63.4200, 61.4814.



This preview shows how white text looks on a background with the XYZ color 45.3395, 63.4200,

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

45.3395, 63.4200, 61.4814

Protanopia

59.2835, 62.6853, 54.3223

Deuteranopia

63.8300, 62.3486, 63.9286



Tritanopia

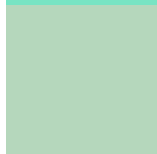
51.5223, 63.5204, 91.9832

Trichromacy



Original Color

45.3395, 63.4200, 61.4814



Protanomaly

52.4336, 62.0555, 56.7913



Deuteranomaly

54.5906, 61.1639, 62.9614



Tritanomaly

49.0123, 63.2823, 80.1525

Monochromacy



Original Color

45.3395, 63.4200, 61.4814



Achromatopsia

50.1023, 52.7115, 57.4028



Achromatomaly

47.1828, 55.6199, 58.7010

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3395, 63.4200, 61.4814 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(120, 228, 195)` looks like.

```
.text, #text, p{  
    color:rgb(120, 228, 195)  
}
```

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(120, 228, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 228, 195) }
```

Border

The CSS property to change the border of an element to XYZ 45.3395, 63.4200, 61.4814 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(120, 228, 195) }
```


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

```
.border{ border-color:rgb(120, 228, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 228, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 228, 195); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 228, 195); box-shadow:4px 4px 4px 4px rgb(120, 228, 195) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3395, 63.4200, 61.4814 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 228, 195) }
```

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

```
.background{ background-color: rgb(120,  
228, 195) }
```

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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