

Converting Colors

XYZ(31.9495, 43.5753, 61.3705)

Have a look what the booklet for
XYZ(31.9495, 43.5753, 61.3705)
contains.

XYZ(31.9495, 43.5753, 61.3705)	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(31.9495, 43.5753,
61.3705)**

Conversions

Conversions Part 1

Format	Color
Hex	45C1C8
RGB	69, 193, 200
RGB Percent	27%, 76%, 78%
CMY	0.7294, 0.2431, 0.2157
CMYK	0.65, 0.03, 0.00, 0.22
HSL	183°, 54%, 53%
HSV	183°, 65%, 78%
XYZ	31.9495, 43.5753, 61.3705
YIQ	156.7220, -76.1510, -24.1110

Conversions

Conversions Part 2

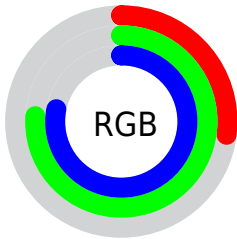
Format	Color
RYB	69, 133, 200
Decimal	4571592
CIELab	71.94, -31.42, -13.58
CIELCh	72, 34.225, 203.378
Yxy	43.5753, 0.2334, 0.3183
Android (android.graphics.Color)	4282761672 (0xFF45C1C8)
YUV	156.7220, 21.3361, -76.9322
Hunter-Lab	66.0116, -29.1266, -8.9134

Details

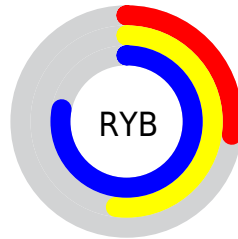
The XYZ color **31.9495, 43.5753, 61.3705** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **27.4789, 17.8788, 7.6340**, and the grayscale version is **31.8561, 33.5151, 36.4980**.

A 20% lighter version of the original color is **61.9085, 80.5778, 106.8979**, and **14.4209, 20.5406, 30.3988** is the 20% darker color. If you saturate the color by 10%, you get **30.5277, 42.4939, 61.2375**, and if you desaturate by 10%, it is **33.8537, 44.9098, 61.5285**.

Distribution



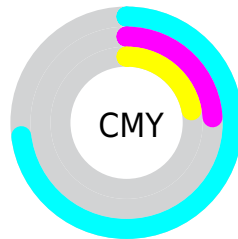
- Red (27%)
- Green (76%)
- Blue (78%)



- Red (27%)
- Yellow (52%)
- Blue (78%)



- Cyan (65%)
- Magenta (3%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (24%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9495, 43.5753, 61.3705 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 31.9495, 43.5753, 61.3705 by changing the saturation by 10% instead.

■ 31.9495, 43.5753,
61.3705

■ 31.9495, 43.5753,
61.3705

302.6385,
360.9724, 447.5753

■ 21.4783, 30.3368,
44.0917

■ 62.0976, 80.5783,
108.3780

■ 13.5885, 20.0943,
30.4049

■ 82.5053, 105.1115,
138.9437

■ 7.9148, 12.4636,
19.8915

■ 106.9558,
134.1785, 174.7756

■ 4.0918, 7.0603,
12.1329

■ 135.8145,
168.1635, 216.2921

■ 1.7542, 3.4998,
6.7106

169.4468,
207.4510, 263.9118

■ 0.4898, 1.3979,
3.2061

208.2179,

■ 0.0000, 0.2152,

252.4254, 318.0532

1.2008

252.4934,
303.4710, 379.1348

■ 0.0000, 0.0000,
0.0000

■ 31.9495, 43.5753,
61.3705

■ 31.9495, 43.5753,
61.3705

■ 30.5277, 42.4939,
61.2375

■ 33.8537, 44.9098,
61.5285

■ 29.5340, 41.6347,
61.1240

■ 36.2795, 46.5148,
61.7105

■ 28.9079, 40.9676,
61.0283

■ 39.2668, 48.4119,
61.9192

■ 28.6912, 40.7017,
60.9884

■ 42.8504, 50.6188,
62.1563

■ 47.0624, 53.1523,
62.4233

■ 51.9324, 56.0275,
62.7216

■ 57.4883, 59.2589,
63.0525

■ 63.7563, 62.8600,
63.4172

■ 70.7613, 66.8436,
63.8169

Harmonies

Analogous

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



31.2431, 43.5753, 43.8368



31.9495, 43.5753, 61.3705



35.0789, 43.5753, 78.1855

Triad

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



31.9495, 43.5753, 61.3705



51.0889, 43.5753, 69.3080



42.7242, 43.5753, 22.1528

Complementary

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



31.9495, 43.5753, 61.3705



27.4789, 17.8788, 7.6340

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.



48.4760, 43.5753, 26.0494



31.9495, 43.5753, 61.3705



53.5898, 43.5753, 51.2482

Square

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



31.9495, 43.5753, 61.3705



46.0298, 43.5753, 83.4690



52.5913, 43.5753, 35.8053



37.1232, 43.5753, 23.6435

Rectangle

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



31.9495, 43.5753, 61.3705



38.2902, 43.5753, 85.3705



52.5913, 43.5753, 35.8053



44.7096, 43.5753, 22.8388

Sweetspot

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



31.9508, 43.5769, 61.3715



77.8488, 89.8513, 107.8477



24.3984, 43.0902, 13.7882



16.2262, 18.9685, 23.0560



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.



31.9508, 43.5769, 61.3715



51.9696, 72.8365, 105.9275



20.5934, 20.8620, 57.5857



10.8963, 11.9667, 13.6530



18.2640, 25.9219, 38.7852



0.8800, 1.2578, 1.8415

Inverse Universe

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



35.5743, 20.3870, 52.5140



58.9036, 30.4028, 88.5412



34.4269, 31.7749, 9.9500



11.0577, 10.8065, 13.2871



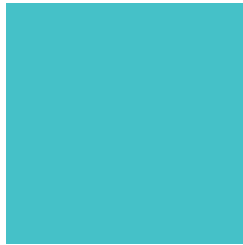
21.0182, 10.1568, 31.6351



1.0029, 0.4840, 1.5383

Previews

White Background



This preview shows how the XYZ color 31.9495, 43.5753, 61.3705 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 31.9495, 43.5753, 61.3705 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

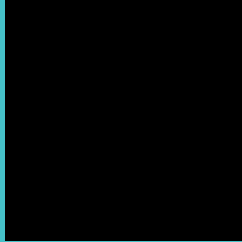
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.9495, 43.5753, 61.3705

Background



This preview shows how black text looks on a background with the XYZ color 31.9495, 43.5753, 61.3705.

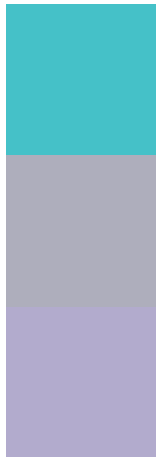


This preview shows how white text looks on a background with the XYZ color 31.9495, 43.5753,

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

31.9495, 43.5753, 61.3705

Protanopia

41.6687, 42.9016, 53.6616

Deuteranopia

43.9425, 42.9986, 63.7411



Tritanopia

32.8598, 43.6207, 65.7192

Trichromacy



Original Color

31.9495, 43.5753, 61.3705



Protanomaly

36.1916, 42.0878, 56.0854



Deuteranomaly

37.3808, 41.9553, 62.6279



Tritanomaly

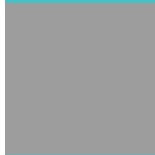
32.4212, 43.4366, 63.8021

Monochromacy



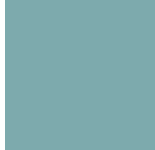
Original Color

31.9495, 43.5753, 61.3705



Achromatopsia

32.0474, 33.7164, 36.7171



Achromatomaly

30.3750, 36.1266, 44.9074

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9495, 43.5753, 61.3705 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(69, 193, 200)` looks like.

```
.text, #text, p{  
    color:rgb(69, 193, 200)  
}
```

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(69, 193, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 193, 200) }
```

Border

The CSS property to change the border of an element to XYZ 31.9495, 43.5753, 61.3705 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(69, 193, 200) }
```


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

```
.border{ border-color:rgb(69, 193, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 193, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 193, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 193, 200);  
box-shadow:4px 4px 4px 4px rgb(69, 193,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9495, 43.5753, 61.3705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 193, 200) }
```

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

```
.background{ background-color: rgb(69, 193,  
200) }
```

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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