

Converting Colors

XYZ(31.2827, 43.7776, 56.8996)

Have a look what the booklet for
XYZ(31.2827, 43.7776, 56.8996)
contains.

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Color

**XYZ(31.1901, 43.6183,
56.6445)**

Conversions

Conversions Part 1

Format	Color
Hex	44C2C0
RGB	68, 194, 192
RGB Percent	27%, 76%, 75%
CMY	0.7333, 0.2392, 0.2471
CMYK	0.65, 0.00, 0.01, 0.24
HSL	179°, 51%, 51%
HSV	179°, 65%, 76%
XYZ	31.1901, 43.6183, 56.6445
YIQ	156.0980, -74.4540, -27.3340

Conversions

Conversions Part 2

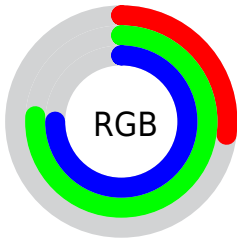
Format	Color
RYB	68, 132, 194
Decimal	4506304
CIELab	71.97, -34.32, -9.18
CIELCh	72, 35.522, 194.970
Yxy	43.6183, 0.2373, 0.3318
Android (android.graphics.Color)	4282696384 (0xFF44C2C0)
YUV	156.0980, 17.6997, -77.2619
Hunter-Lab	66.0442, -31.2786, -4.6207

Details

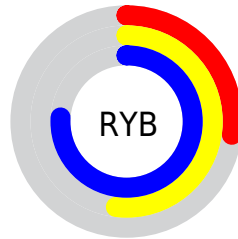
The XYZ color **31.1901, 43.6183, 56.6445** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.4222, 16.0471, 7.5532**, and the grayscale version is **31.5923, 33.2376, 36.1958**.

A 20% lighter version of the original color is **60.8005, 80.5970, 101.1592**, and **14.0383, 20.6202, 27.6663** is the 20% darker color. If you saturate the color by 10%, you get **30.0206, 43.0203, 56.4126**, and if you desaturate by 10%, it is **32.8098, 44.4503, 56.8998**.

Distribution



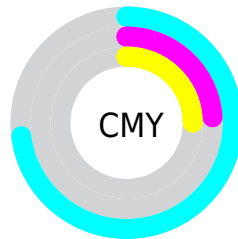
- Red (27%)
- Green (76%)
- Blue (75%)



- Red (27%)
- Yellow (52%)
- Blue (76%)



- Cyan (65%)
- Magenta (0%)
- Yellow (1%)
- Black (24%)



- Cyan (73%)
- Magenta (24%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1901, 43.6183, 56.6445 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 31.1901, 43.6183, 56.6445 by changing the saturation by 10% instead.

■ 31.1901, 43.6183,
56.6445

■ 31.1901, 43.6183,
56.6445

299.2244,
361.1484, 429.5722

■ 20.8962, 30.3705,
40.3124

■ 60.9130, 80.6431,
101.4415

■ 13.1602, 20.1200,
27.4666

■ 81.0728, 105.1889,
130.7434

■ 7.6167, 12.4823,
17.6884

■ 105.2519,
134.2695, 165.2058

■ 3.9004, 7.0730,
10.5594

■ 133.8156,
168.2693, 205.2471

■ 1.6459, 3.5078,
5.6610

167.1294,
207.5727, 251.2858

■ 0.4221, 1.4023,
2.5746

205.5585,

■ 0.0000, 0.2184,

252.5641, 303.7406

0.8793

249.4684,
303.6278, 363.0299

■ 0.0000, 0.0000,
0.0000

■ 31.1901, 43.6183,
56.6445

■ 31.1901, 43.6183,
56.6445

■ 30.0206, 43.0203,
56.4126

■ 32.8098, 44.4503,
56.8998

■ 29.2514, 42.6277,
56.1989

■ 34.9158, 45.5320,
57.1772

■ 28.8276, 42.4132,
56.0017

■ 37.5447, 46.8833,
57.4794

■ 28.6878, 42.3431,
55.9057

■ 40.7287, 48.5208,
57.8080

■ 44.4975, 50.4596,
58.1643

■ 48.8784, 52.7141,
58.5497

■ 53.8973, 55.2975,
58.9653

■ 59.5785, 58.2222,
59.4123

■ 65.9448, 61.5002,
59.8917

Harmonies

Analogous

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



31.1927, 43.6183, 39.3549



31.1901, 43.6183, 56.6445



33.7493, 43.6183, 75.1941

Triad

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



31.1901, 43.6183, 56.6445



50.2494, 43.6183, 75.2272



44.5532, 43.6183, 22.0060

Complementary

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



31.1901, 43.6183, 56.6445



25.4222, 16.0471, 7.5532

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.



50.2591, 43.6183, 27.5983



31.1901, 43.6183, 56.6445



53.7592, 43.6183, 56.6820

Square

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



31.1901, 43.6183, 56.6445



44.5410, 43.6183, 87.5716



53.7629, 43.6183, 39.3843



38.5204, 43.6183, 22.0006

Rectangle

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



31.1901, 43.6183, 56.6445



36.7212, 43.6183, 84.5969



53.7629, 43.6183, 39.3843



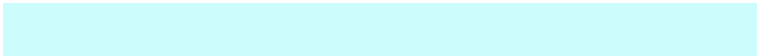
46.5853, 43.6183, 23.2205

Sweetspot

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



31.1914, 43.6200, 56.6455



77.5080, 89.8182, 105.0880



22.8695, 40.3084, 12.0448



16.5430, 19.4478, 22.9722



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.



31.1914, 43.6200, 56.6455



53.7063, 77.5910, 102.0318



20.5242, 21.9281, 54.1916



10.3614, 11.4256, 12.9065



18.8638, 27.8396, 36.7713



0.8173, 1.2038, 1.6006

Inverse Universe

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



25.4222, 16.0471, 7.5532



42.4808, 23.8758, 6.4621



31.1302, 27.5626, 9.1493



10.0795, 10.0804, 10.5094



14.6415, 7.5463, 0.7582



0.6349, 0.3270, 0.0448

Previews

White Background



This preview shows how the XYZ color 31.1901, 43.6183, 56.6445 looks on a white background.

Color Contrast Check

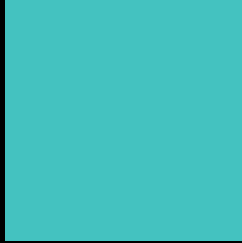
Large Text (above 18pt) WCAG AA × Fail

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 31.1901, 43.6183, 56.6445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

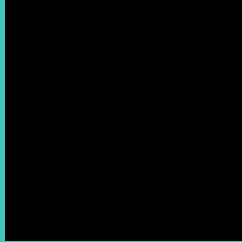
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

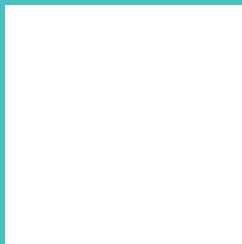
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1901, 43.6183, 56.6445

Background



This preview shows how black text looks on a background with the XYZ color 31.1901, 43.6183, 56.6445.

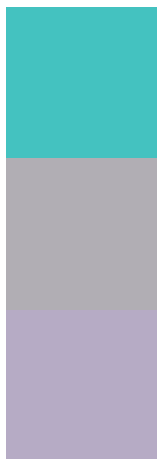


This preview shows how white text looks on a background with the XYZ color 31.1901, 43.6183,

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
31.1901, 43.6183, 56.6445
Protanopia
41.5057, 42.9145, 49.2758
Deuteranopia
43.9324, 43.1021, 58.8274



Tritanopia

33.0926, 43.7408, 65.7301

Trichromacy



Original Color

31.1901, 43.6183, 56.6445



Protanomaly

35.4921, 41.8268, 51.5501



Deuteranomaly

36.9549, 41.8430, 57.7585



Tritanomaly

32.4783, 43.8207, 62.6236

Monochromacy



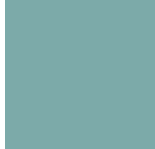
Original Color

31.1901, 43.6183, 56.6445



Achromatopsia

31.5995, 33.2452, 36.2040



Achromatomaly

29.8483, 35.8991, 42.8922

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1901, 43.6183, 56.6445 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(68, 194, 192)` looks like.

```
.text, #text, p{  
    color:rgb(68, 194, 192)  
}
```

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(68, 194, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 194, 192) }
```

Border

The CSS property to change the border of an element to XYZ 31.1901, 43.6183, 56.6445 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(68, 194, 192) }
```


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

```
.border{ border-color:rgb(68, 194, 192) }
```

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

Here you see how a box with a 4 pixel rgb(68, 194, 192) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 194, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 194, 192);  
box-shadow:4px 4px 4px 4px rgb(68, 194,  
192) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1901, 43.6183, 56.6445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 194, 192) }
```

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

```
.background{ background-color: rgb(68, 194,  
192) }
```

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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