

Converting Colors

XYZ(31.3505, 42.6495, 60.2012)

Have a look what the booklet for
XYZ(31.3505, 42.6495, 60.2012)
contains.

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Color

**XYZ(31.2781, 42.6040,
60.0010)**

Conversions

Conversions Part 1

Format	Color
Hex	45BFC6
RGB	69, 191, 198
RGB Percent	27%, 75%, 78%
CMY	0.7294, 0.2510, 0.2235
CMYK	0.65, 0.04, 0.00, 0.22
HSL	183°, 53%, 52%
HSV	183°, 65%, 78%
XYZ	31.2781, 42.6040, 60.0010
YIQ	155.3200, -74.9590, -23.6870

Conversions

Conversions Part 2

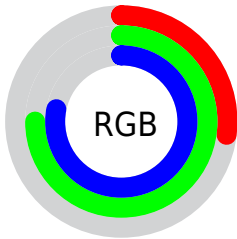
Format	Color
RYB	69, 132, 198
Decimal	4571078
CIELab	71.29, -31.03, -13.48
CIELCh	71, 33.831, 203.477
Yxy	42.6040, 0.2336, 0.3182
Android (android.graphics.Color)	4282761158 (0xFF45BFC6)
YUV	155.3200, 21.0412, -75.7026
Hunter-Lab	65.2717, -28.6887, -8.8121

Details

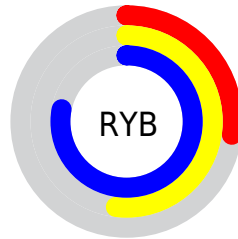
The XYZ color **31.2781, 42.6040, 60.0010** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **26.9484, 17.6055, 7.6093**, and the grayscale version is **31.2324, 32.8589, 35.7833**.

A 20% lighter version of the original color is **61.1331, 79.2603, 106.6845**, and **13.9797, 19.9049, 29.4908** is the 20% darker color. If you saturate the color by 10%, you get **29.8678, 41.5314, 59.8691**, and if you desaturate by 10%, it is **33.1612, 43.9248, 60.1575**.

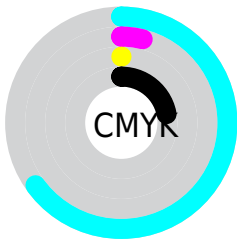
Distribution



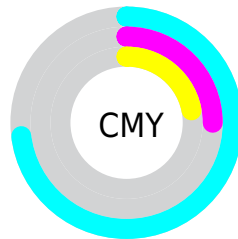
- Red (27%)
- Green (75%)
- Blue (78%)



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



- Cyan (65%)
- Magenta (4%)
- Yellow (0%)
- Black (22%)



- Cyan (73%)
- Magenta (25%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2781, 42.6040, 60.0010 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 31.2781, 42.6040, 60.0010 by changing the saturation by 10% instead.

■ 31.2781, 42.6040,
60.0010

■ 31.2781, 42.6040,
60.0010

299.6215,
356.9807, 442.4062

■ 20.9636, 29.5745,
42.9941

■ 61.0505, 79.1129,
106.3745

■ 13.2097, 19.5159,
29.5491

■ 81.2391, 103.3612,
136.5782

■ 7.6511, 12.0436,
19.2475

■ 105.4498,
132.1178, 172.0180

■ 3.9224, 6.7734,
11.6706

■ 134.0479,
165.7673, 213.1123

■ 1.6583, 3.3208,
6.4000

167.3987,
204.6939, 260.2798

■ 0.4300, 1.3014,
3.0171

205.8677,

■ 0.0000, 0.1423,

249.2820, 313.9389

1.1034

249.8202,
299.9162, 374.5082

■ 0.0000, 0.0000,
0.0000

■ 31.2781, 42.6040,
60.0010

■ 31.2781, 42.6040,
60.0010

■ 29.8678, 41.5314,
59.8691

■ 33.1612, 43.9248,
60.1575

■ 28.8778, 40.6770,
59.7563

■ 35.5552, 45.5106,
60.3374

■ 28.2497, 40.0118,
59.6610

■ 38.4988, 47.3823,
60.5435

■ 28.0185, 39.7278,
59.6184

■ 42.0260, 49.5573,
60.7774

■ 46.1679, 52.0519,
61.0406

■ 50.9533, 54.8808,
61.3344

■ 56.4095, 58.0580,
61.6601

■ 62.5619, 61.5968,
62.0189

■ 69.4348, 65.5096,
62.4119

Harmonies

Analogous

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



30.5816, 42.6040, 42.9245



31.2781, 42.6040, 60.0010



34.3344, 42.6040, 76.3444

Triad

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



31.2781, 42.6040, 60.0010



49.9218, 42.6040, 67.6094



41.7475, 42.6040, 21.7318

Complementary

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



31.2781, 42.6040, 60.0010



26.9484, 17.6055, 7.6093

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.



47.3491, 42.6040, 25.5161



31.2781, 42.6040, 60.0010



52.3452, 42.6040, 50.0341

Square

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



31.2781, 42.6040, 60.0010



45.0033, 42.6040, 81.4065



51.3623, 42.6040, 35.0083



36.2961, 42.6040, 23.2037

Rectangle

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



31.2781, 42.6040, 60.0010



37.4659, 42.6040, 83.3093



51.3623, 42.6040, 35.0083



43.6807, 42.6040, 22.3955

Sweetspot

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



31.2794, 42.6056, 60.0020



77.8355, 89.8246, 107.8433



23.9349, 42.1686, 13.6168



16.2229, 18.9620, 23.0549



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.



31.2794, 42.6056, 60.0020



52.1000, 72.8907, 105.9311



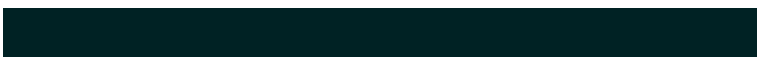
20.2444, 20.5357, 56.3237



10.8955, 11.9651, 13.6527



18.2415, 25.8770, 38.7777



0.8792, 1.2561, 1.8413

Inverse Universe

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



34.8219, 20.0249, 51.3217



59.0199, 30.6424, 88.5580



33.7349, 31.1785, 9.8715



11.0573, 10.8063, 13.2850



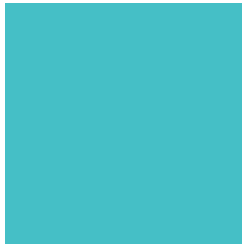
21.0068, 10.1523, 31.5754



1.0025, 0.4838, 1.5361

Previews

White Background



This preview shows how the XYZ color 31.2781, 42.6040, 60.0010 looks on a white background.

Color Contrast Check

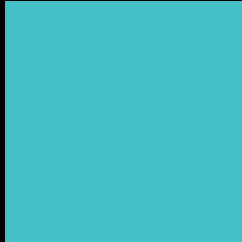
Large Text (above 18pt) WCAG AA × Fail

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 31.2781, 42.6040, 60.0010 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

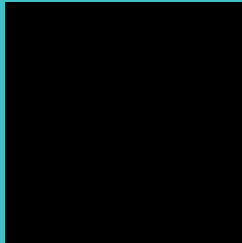
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

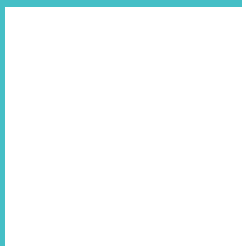
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2781, 42.6040, 60.0010

Background



This preview shows how black text looks on a background with the XYZ color 31.2781, 42.6040, 60.0010.

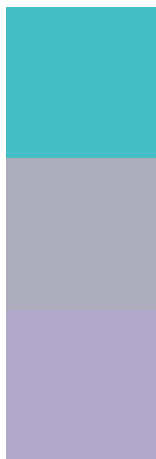


This preview shows how white text looks on a background with the XYZ color 31.2781, 42.6040,

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

31.2781, 42.6040, 60.0010

Protanopia

40.8490, 41.9345, 52.3956

Deuteranopia

42.8720, 41.9178, 62.3313



Tritanopia

32.1806, 42.6512, 64.2940

Trichromacy



Original Color

31.2781, 42.6040, 60.0010

Protanomaly

35.4060, 41.1088, 54.7839

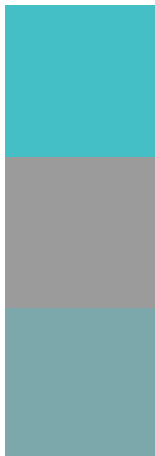
Deuteranomaly

36.5813, 40.9797, 61.2402

Tritanomaly

31.7466, 42.4689, 62.4012

Monochromacy



Original Color

31.2781, 42.6040, 60.0010

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6655, 35.2306, 43.7647

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2781, 42.6040, 60.0010 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, 191, 198)` looks like.

```
.text, #text, p{  
    color:rgb(69, 191, 198)  
}
```

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, 191, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 191, 198) }
```

Border

The CSS property to change the border of an element to XYZ 31.2781, 42.6040, 60.0010 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, 191, 198) }
```


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

```
.border{ border-color:rgb(69, 191, 198) }
```

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

Here you see how a box with a 4 pixel rgb(69, 191, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 191, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 191, 198);  
box-shadow:4px 4px 4px 4px rgb(69, 191,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2781, 42.6040, 60.0010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 191, 198) }
```

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

```
.background{ background-color: rgb(69, 191,  
198) }
```

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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