

Converting Colors

XYZ(31.0037, 41.3493, 62.8501)

Have a look what the booklet for
XYZ(31.0037, 41.3493, 62.8501)
contains.

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Color

**XYZ(31.0775, 41.4715,
62.8668)**

Conversions

Conversions Part 1

Format	Color
Hex	43BCCB
RGB	67, 188, 203
RGB Percent	26%, 74%, 80%
CMY	0.7372, 0.2627, 0.2039
CMYK	0.67, 0.07, 0.00, 0.20
HSL	187°, 57%, 53%
HSV	187°, 67%, 80%
XYZ	31.0775, 41.4715, 62.8668
YIQ	153.5310, -76.9310, -20.9870

Conversions

Conversions Part 2

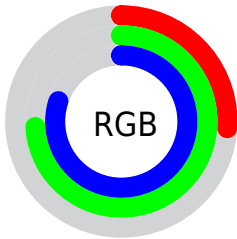
Format	Color
RYB	67, 131, 203
Decimal	4439243
CIELab	70.51, -28.41, -17.39
CIELCh	71, 33.308, 211.479
Yxy	41.4715, 0.2295, 0.3063
Android (android.graphics.Color)	4282629323 (0xFF43BCCB)
YUV	153.5310, 24.3882, -75.8877
Hunter-Lab	64.3984, -26.5562, -12.8011

Details

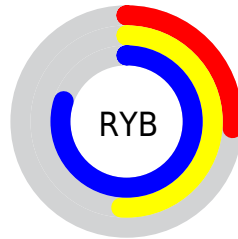
The XYZ color **31.0775, 41.4715, 62.8668** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **28.6602, 19.1378, 7.4950**, and the grayscale version is **30.4323, 32.0172, 34.8667**.

A 20% lighter version of the original color is **60.0625, 77.3501, 106.3722**, and **13.9499, 19.2201, 31.4084** is the 20% darker color. If you saturate the color by 10%, you get **29.4477, 39.9276, 62.6555**, and if you desaturate by 10%, it is **33.2049, 43.2847, 63.1054**.

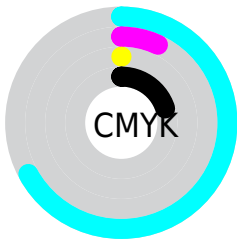
Distribution



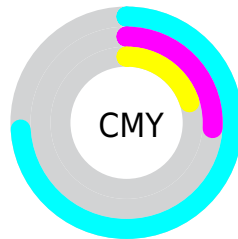
- Red (26%)
- Green (74%)
- Blue (80%)



- Red (26%)
- Yellow (51%)
- Blue (80%)



- Cyan (67%)
- Magenta (7%)
- Yellow (0%)
- Black (20%)



- Cyan (74%)
- Magenta (26%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0775, 41.4715, 62.8668 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 31.0775, 41.4715, 62.8668 by changing the saturation by 10% instead.

■ 31.0775, 41.4715,
62.8668

■ 31.0775, 41.4715,
62.8668

298.7157,
352.2874, 453.1805

■ 20.8100, 28.6877,
45.2932

■ 60.7371, 77.3991,
110.5610

■ 13.0968, 18.8447,
31.3438

■ 80.8599, 101.3117,
141.5187

■ 7.5727, 11.5581,
20.6001

■ 104.9984,
129.7027, 177.7748

■ 3.8723, 6.4435,
12.6436

■ 133.5182,
162.9565, 219.7479

■ 1.6301, 3.1166,
7.0558

■ 166.7844,
201.4575, 267.8564

■ 0.4119, 1.1929,
3.4180

205.1625,

■ 0.0000, 0.0559,

245.5900, 322.5190

1.3118

249.0178,
295.7385, 384.1542

■ 0.0000, 0.0000,
0.0715

■ 0.0000, 0.0000,
0.0000

■ 31.0775, 41.4715,
62.8668

■ 31.0775, 41.4715,
62.8668

■ 29.4477, 39.9276,
62.6555

■ 33.2049, 43.2847,
63.1054

■ 28.2581, 38.6208,
62.4659

■ 35.8719, 45.3862,
63.3705

■ 27.4382, 37.5154,
62.2958

■ 39.1204, 47.7986,
63.6649

■ 27.2248, 37.2021,
62.2466

■ 42.9871, 50.5409,
63.9904

■ 47.5057, 53.6304,
64.3486

■ 52.7073, 57.0833,
64.7409

■ 58.6210, 60.9146,
65.1688

■ 65.2744, 65.1386,
65.6334

■ 72.6934, 69.7687,
66.1361

Harmonies

Analogous

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



29.7725, 41.4715, 45.9407



31.0775, 41.4715, 62.8668



34.5857, 41.4715, 77.2937

Triad

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



31.0775, 41.4715, 62.8668



49.4464, 41.4715, 61.1957



39.1454, 41.4715, 21.1619

Complementary

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



31.0775, 41.4715, 62.8668



28.6602, 19.1378, 7.4950

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.



44.6794, 41.4715, 23.4487



31.0775, 41.4715, 62.8668



50.9484, 41.4715, 44.3791

Square

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



31.0775, 41.4715, 62.8668



45.1948, 41.4715, 76.1818



49.1300, 41.4715, 31.1285



34.1547, 41.4715, 23.9568

Rectangle

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



31.0775, 41.4715, 62.8668



37.8728, 41.4715, 82.1685



49.1300, 41.4715, 31.1285



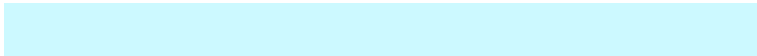
41.0034, 41.4715, 21.3579

Sweetspot

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



31.0788, 41.4730, 62.8678



76.9436, 88.0409, 107.5460



25.1422, 44.4943, 14.9709



16.0059, 18.5280, 22.9826



0.0000, 0.0000, 0.0000



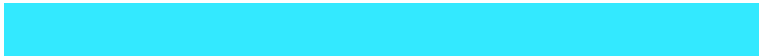
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.0788, 41.4730, 62.8678



48.4130, 65.9193, 104.7798



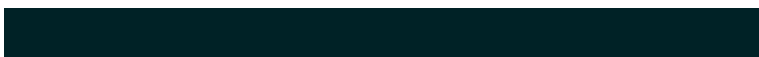
19.9818, 19.2791, 59.1688



11.4335, 12.5074, 14.3819



17.3669, 23.7577, 39.6266



0.9268, 1.2874, 2.0546

Inverse Universe

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



35.7140, 20.3430, 49.6227



57.0606, 29.4823, 79.4006



36.3273, 34.4720, 10.0507



11.6322, 11.3816, 13.8636



20.9769, 10.2013, 28.6607



1.0978, 0.5325, 1.5607

Previews

White Background



This preview shows how the XYZ color 31.0775, 41.4715, 62.8668 looks on a white background.

Color Contrast Check

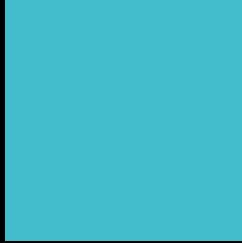
Large Text (above 18pt) WCAG AA × Fail

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 31.0775, 41.4715, 62.8668 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 31.0775, 41.4715, 62.8668

Background



This preview shows how black text looks on a background with the XYZ color 31.0775, 41.4715, 62.8668.

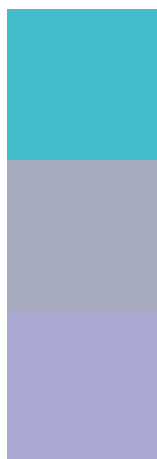


This preview shows how white text looks on a background with the XYZ color 31.0775, 41.4715,

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

31.0775, 41.4715, 62.8668

Protanopia

39.9271, 40.8359, 55.0679

Deuteranopia

41.7814, 40.7375, 65.3355



Tritanopia

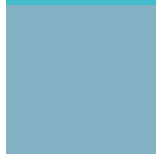
31.0775, 41.4715, 62.8668

Trichromacy



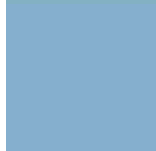
Original Color

31.0775, 41.4715, 62.8668



Protanomaly

34.9325, 40.2097, 57.5499



Deuteranomaly

36.1434, 40.1027, 64.2282



Tritanomaly

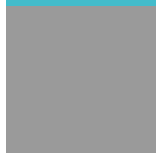
31.0775, 41.4715, 62.8668

Monochromacy



Original Color

31.0775, 41.4715, 62.8668



Achromatopsia

30.7148, 32.3143, 35.1903



Achromatomaly

29.1087, 34.3886, 44.1332

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0775, 41.4715, 62.8668 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(67, 188, 203)` looks like.

```
.text, #text, p{  
    color:rgb(67, 188, 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(67, 188, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 188, 203) }
```

Border

The CSS property to change the border of an element to XYZ 31.0775, 41.4715, 62.8668 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(67, 188, 203) }
```


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

```
.border{ border-color:rgb(67, 188, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 188, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 188, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 188, 203);  
box-shadow:4px 4px 4px 4px rgb(67, 188,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0775, 41.4715, 62.8668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 188, 203) }
```

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

```
.background{ background-color: rgb(67, 188,  
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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