

Converting Colors

XYZ(31.6557, 41.9678, 54.0034)

Have a look what the booklet for
XYZ(31.6557, 41.9678, 54.0034)
contains.

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Color

**XYZ(31.6764, 41.9770,
54.0098)**

Conversions

Conversions Part 1

Format	Color
Hex	5EBCBC
RGB	94, 188, 188
RGB Percent	37%, 74%, 74%
CMY	0.6314, 0.2627, 0.2627
CMYK	0.50, 0.00, 0.00, 0.26
HSL	180°, 41%, 55%
HSV	180°, 50%, 74%
XYZ	31.6764, 41.9770, 54.0098
YIQ	159.8940, -56.0240, -19.9280

Conversions

Conversions Part 2

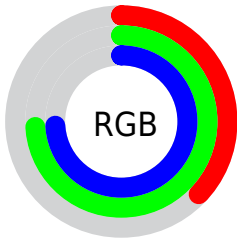
Format	Color
RYB	94, 141, 188
Decimal	6208700
CIELab	70.86, -27.72, -8.57
CIELCh	71, 29.011, 197.181
Yxy	41.9770, 0.2481, 0.3288
Android (android.graphics.Color)	4284398780 (0xFF5EBCBC)
YUV	159.8940, 13.8563, -57.7890
Hunter-Lab	64.7897, -26.1112, -4.0724

Details

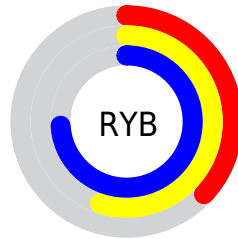
The XYZ color **31.6764, 41.9770, 54.0098** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.7635, 19.5061, 12.9455**, and the grayscale version is **33.3226, 35.0579, 38.1781**.

A 20% lighter version of the original color is **61.7440, 78.4158, 97.4695**, and **13.4050, 19.0607, 25.8942** is the 20% darker color. If you saturate the color by 10%, you get **29.9787, 41.1028, 53.9311**, and if you desaturate by 10%, it is **33.8461, 43.0965, 54.1125**.

Distribution



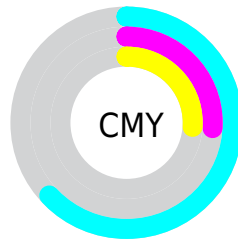
- Red (37%)
- Green (74%)
- Blue (74%)



- Red (37%)
- Yellow (55%)
- Blue (74%)



- Cyan (50%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (63%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6764, 41.9770, 54.0098 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 31.6764, 41.9770, 54.0098 by changing the saturation by 10% instead.

■ 31.6764, 41.9770,
54.0098

■ 31.6764, 41.9770,
54.0098

301.4140,
354.3876, 419.3231

■ 21.2688, 29.0833,
38.2163

■ 61.6721, 78.1648,
97.5452

■ 13.4342, 19.1438,
25.8474

■ 81.9908, 102.2277,
126.1241

■ 7.8073, 11.7743,
16.4848

■ 106.3440,
130.7824, 159.8019

■ 4.0226, 6.5902,
9.7098

■ 135.0970,
164.2134, 198.9971

■ 1.7149, 3.2071,
5.1039

168.6152,
202.9050, 244.1283

■ 0.4656, 1.2408,
2.2485

207.2638,

■ 0.0000, 0.0947,

247.2416, 295.6140

0.7022

251.4083,
297.6077, 353.8727

■ 0.0000, 0.0000,
0.0000

■ 31.6764, 41.9770,
54.0098

■ 31.6764, 41.9770,
54.0098

■ 29.9787, 41.1028,
53.9311

■ 33.8461, 43.0965,
54.1125

■ 28.7146, 40.4511,
53.8717

■ 36.5152, 44.4725,
54.2376

■ 27.8458, 40.0032,
53.8308

■ 39.7136, 46.1213,
54.3875

■ 27.3257, 39.7351,
53.8062

■ 43.4676, 48.0565,
54.5634

■ 27.0610, 39.5987,
53.7936

■ 47.8018, 50.2909,
54.7665

■ 27.0609, 39.5986,
53.7936

■ 52.7393, 52.8363,
54.9978

■ 58.3021, 55.7040,
55.2583

■ 64.5109, 58.9048,
55.5491

■ 68.3015, 60.8589,
55.7267

Harmonies

Analogous

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



31.5200, 41.9770, 40.0616



31.6764, 41.9770, 54.0098



33.9198, 41.9770, 68.0899

Triad

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



31.6764, 41.9770, 54.0098



47.0953, 41.9770, 66.2425



41.9914, 41.9770, 24.3891

Complementary

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



31.6764, 41.9770, 54.0098



26.7635, 19.5061, 12.9455

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.



46.5400, 41.9770, 28.8591



31.6764, 41.9770, 54.0098



49.6425, 41.9770, 51.8567

Square

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



31.6764, 41.9770, 54.0098



42.7008, 41.9770, 76.0708



49.4314, 41.9770, 38.2998



37.2204, 41.9770, 24.7349

Rectangle

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



31.6764, 41.9770, 54.0098



36.4077, 41.9770, 74.8225



49.4314, 41.9770, 38.2998



43.6043, 41.9770, 25.3333

Sweetspot

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



31.6777, 41.9786, 54.0108



75.0776, 85.1857, 98.7111



24.7833, 39.2396, 16.8584



15.8427, 18.1629, 21.2132



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.6777, 41.9786, 54.0108



54.0707, 74.3563, 97.7261



23.4520, 25.5270, 51.2700



9.8086, 10.8096, 12.2416



18.4238, 26.9598, 36.6241



0.7217, 1.0560, 1.4346

Inverse Universe

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



26.7635, 19.5061, 12.9455



44.1476, 28.9773, 14.8026



32.0564, 30.0920, 14.7094



9.5302, 9.5364, 9.9151



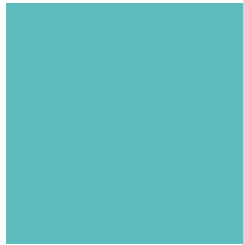
14.1202, 7.2793, 0.6609



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 31.6764, 41.9770, 54.0098 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 31.6764, 41.9770, 54.0098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

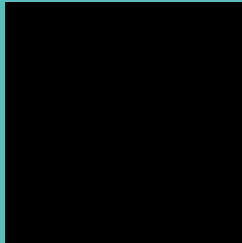
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.6764, 41.9770, 54.0098

Background



This preview shows how black text looks on a background with the XYZ color 31.6764, 41.9770, 54.0098.

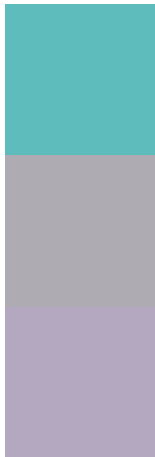


This preview shows how white text looks on a background with the XYZ color 31.6764, 41.9770,

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

31.6764, 41.9770, 54.0098

Protanopia

40.0544, 41.3388, 47.9876

Deuteranopia

42.3395, 41.5143, 55.6507



Tritanopia

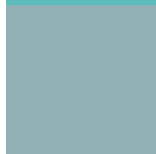
33.1385, 41.9315, 61.6053

Trichromacy



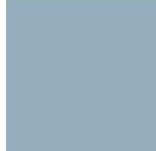
Original Color

31.6764, 41.9770, 54.0098



Protanomaly

35.8427, 40.8414, 50.2500



Deuteranomaly

37.1284, 40.8111, 55.2107



Tritanomaly

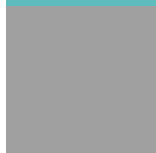
32.6639, 42.0676, 58.6228

Monochromacy



Original Color

31.6764, 41.9770, 54.0098



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

31.7838, 36.8860, 43.4747

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6764, 41.9770, 54.0098 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(94, 188, 188)` looks like.

```
.text, #text, p{  
    color:rgb(94, 188, 188)  
}
```

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(94, 188, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(94, 188, 188) }
```

Border

The CSS property to change the border of an element to XYZ 31.6764, 41.9770, 54.0098 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(94, 188, 188) }
```


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

```
.border{ border-color:rgb(94, 188, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(94, 188, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(94, 188, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(94, 188, 188);  
box-shadow:4px 4px 4px 4px rgb(94, 188,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6764, 41.9770, 54.0098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(94, 188, 188) }
```

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

```
.background{ background-color: rgb(94, 188,  
188) }
```

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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