

Converting Colors

XYZ(30.9346, 40.8124, 57.8777)

Have a look what the booklet for
XYZ(30.9346, 40.8124, 57.8777)
contains.

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Color

**XYZ(30.9765, 40.8969,
57.8910)**

Conversions

Conversions Part 1

Format	Color
Hex	53BAC3
RGB	83, 186, 195
RGB Percent	33%, 73%, 76%
CMY	0.6745, 0.2706, 0.2353
CMYK	0.57, 0.05, 0.00, 0.24
HSL	185°, 48%, 55%
HSV	185°, 57%, 76%
XYZ	30.9765, 40.8969, 57.8910
YIQ	156.2290, -64.2770, -19.0370

Conversions

Conversions Part 2

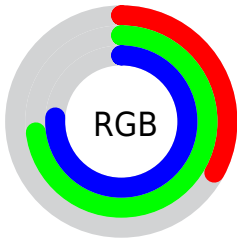
Format	Color
RYB	83, 137, 195
Decimal	5487299
CIELab	70.10, -27.05, -13.57
CIELCh	70, 30.262, 206.641
Yxy	40.8969, 0.2387, 0.3152
Android (android.graphics.Color)	4283677379 (0xFF53BAC3)
YUV	156.2290, 19.1141, -64.2218
Hunter-Lab	63.9507, -25.4517, -8.9065

Details

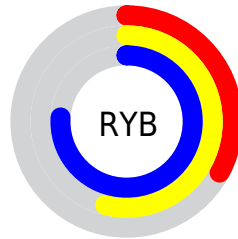
The XYZ color **30.9765, 40.8969, 57.8910** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted azure. A complement of this color would be **27.8951, 19.8819, 10.5521**, and the grayscale version is **31.6413, 33.2891, 36.2518**.

A 20% lighter version of the original color is **60.4781, 76.2833, 103.6321**, and **13.0590, 18.4256, 28.0675** is the 20% darker color. If you saturate the color by 10%, you get **29.1640, 39.4761, 57.7130**, and if you desaturate by 10%, it is **33.2789, 42.5774, 58.0948**.

Distribution



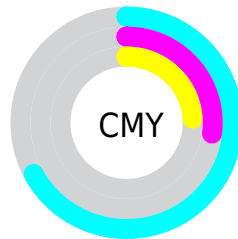
- Red (33%)
- Green (73%)
- Blue (76%)



- Red (33%)
- Yellow (54%)
- Blue (76%)



- Cyan (57%)
- Magenta (5%)
- Yellow (0%)
- Black (24%)



- Cyan (67%)
- Magenta (27%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.9765, 40.8969, 57.8910 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 30.9765, 40.8969, 57.8910 by changing the saturation by 10% instead.

■ 30.9765, 40.8969,
57.8910

■ 30.9765, 40.8969,
57.8910

298.2589,
349.8895, 434.3666

■ 20.7327, 28.2385,
41.3069

■ 60.5792, 76.5274,
103.2773

■ 13.0401, 18.5055,
28.2375

■ 80.6687, 100.2682,
132.9166

■ 7.5334, 11.3135,
18.2641

■ 104.7709,
128.4721, 167.7448

■ 3.8471, 6.2781,
10.9684

■ 133.2511,
161.5233, 208.1802

■ 1.6160, 3.0149,
5.9317

166.4747,
199.8062, 254.6416

■ 0.4028, 1.1395,
2.7355

204.8069,

■ 0.0000, 0.0115,

243.7053, 307.5474

0.9612

248.6132,
293.6050, 367.3162

■ 0.0000, 0.0000,
0.0000

■ 30.9765, 40.8969,
57.8910

■ 30.9765, 40.8969,
57.8910

■ 29.1640, 39.4761,
57.7130

■ 33.2789, 42.5774,
58.0948

■ 27.7959, 38.2889,
57.5560

■ 36.1043, 44.5321,
58.3231

■ 26.8247, 37.3116,
57.4185

■ 39.4874, 46.7796,
58.5786

■ 26.1811, 36.5084,
57.2974

■ 43.4586, 49.3358,
58.8627

■ 26.0375, 36.3143,
57.2675

■ 48.0464, 52.2153,
59.1767

■ 53.2772, 55.4317,
59.5219

■ 59.1760, 58.9979,
59.8993

■ 65.7664, 62.9261,
60.3102

■ 71.7688, 66.5568,
60.6946

Harmonies

Analogous

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



30.1306, 40.8969, 42.9533



30.9765, 40.8969, 57.8910



33.8736, 40.8969, 71.3679

Triad

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



30.9765, 40.8969, 57.8910



47.3666, 40.8969, 61.2454



39.4310, 40.8969, 22.5013

Complementary

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



30.9765, 40.8969, 57.8910



27.8951, 19.8819, 10.5521

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.



44.3378, 40.8969, 25.4372



30.9765, 40.8969, 57.8910



49.1573, 40.8969, 46.1443

Square

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



30.9765, 40.8969, 57.8910



43.2928, 40.8969, 73.5753



48.0049, 40.8969, 33.4009



34.7615, 40.8969, 24.3545

Rectangle

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



30.9765, 40.8969, 57.8910



36.7155, 40.8969, 76.6275



48.0049, 40.8969, 33.4009



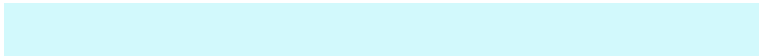
41.1099, 40.8969, 22.9419

Sweetspot

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



30.9778, 40.8985, 57.8920



77.9641, 88.4426, 105.4318



24.9488, 41.6163, 16.4964



16.7338, 19.1519, 23.0647



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.



30.9778, 40.8985, 57.8920



51.5123, 70.1016, 103.2858



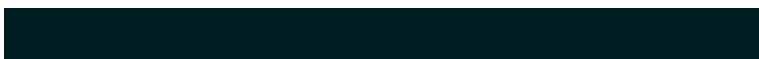
21.6069, 22.1567, 54.7683



10.2971, 11.2855, 12.9204



16.9517, 23.6600, 37.2300



0.7533, 1.0640, 1.6156

Inverse Universe

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



34.4629, 21.3349, 48.7576



58.5504, 32.4651, 84.4199



34.4190, 32.9298, 12.7268



10.4613, 10.2331, 12.5195



19.9524, 9.6707, 28.7252



0.8726, 0.4221, 1.2966

Previews

White Background



This preview shows how the XYZ color 30.9765, 40.8969, 57.8910 looks on a white background.

Color Contrast Check

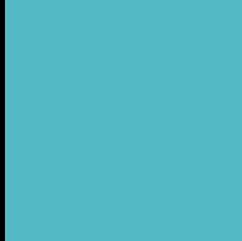
Large Text (above 18pt) WCAG AA × Fail

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 30.9765, 40.8969, 57.8910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

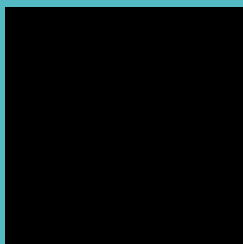
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

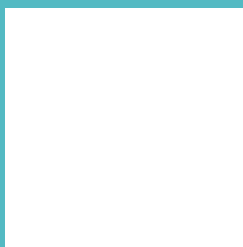
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.9765, 40.8969, 57.8910

Background



This preview shows how black text looks on a background with the XYZ color 30.9765, 40.8969, 57.8910.

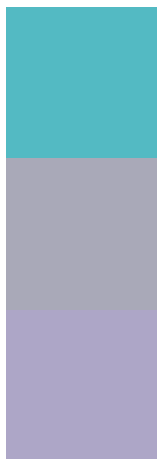


This preview shows how white text looks on a background with the XYZ color 30.9765, 40.8969,

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

30.9765, 40.8969, 57.8910

Protanopia

39.2019, 40.2716, 51.0544

Deuteranopia

41.1786, 40.2802, 59.6373



Tritanopia

31.5206, 40.7993, 60.8573

Trichromacy



Original Color

30.9765, 40.8969, 57.8910

Protanomaly

34.8883, 39.6941, 53.3999

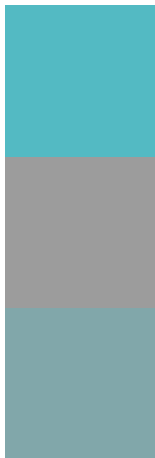
Deuteranomaly

35.9518, 39.5398, 59.1632

Tritanomaly

31.1982, 40.6600, 59.6299

Monochromacy



Original Color

30.9765, 40.8969, 57.8910

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

30.1277, 35.2068, 43.2379

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.9765, 40.8969, 57.8910 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(83, 186, 195)` looks like.

```
.text, #text, p{  
    color:rgb(83, 186, 195)  
}
```

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(83, 186, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 186, 195) }
```

Border

The CSS property to change the border of an element to XYZ 30.9765, 40.8969, 57.8910 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(83, 186, 195) }
```


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

```
.border{ border-color:rgb(83, 186, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 186, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 186, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 186, 195);  
box-shadow:4px 4px 4px 4px rgb(83, 186,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 30.9765, 40.8969, 57.8910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 186, 195) }
```

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

```
.background{ background-color: rgb(83, 186,  
195) }
```

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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