

Converting Colors

XYZ(27.7756, 36.5710, 41.6718)

Have a look what the booklet for
XYZ(27.7756, 36.5710, 41.6718)
contains.

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Color

**XYZ(27.7751, 36.5705,
41.6713)**

Conversions

Conversions Part 1

Format	Color
Hex	65B0A6
RGB	101, 176, 166
RGB Percent	40%, 69%, 65%
CMY	0.6039, 0.3098, 0.3490
CMYK	0.43, 0.00, 0.06, 0.31
HSL	172°, 32%, 54%
HSV	172°, 43%, 69%
XYZ	27.7751, 36.5705, 41.6713
YIQ	152.4350, -41.4900, -19.0100

Conversions

Conversions Part 2

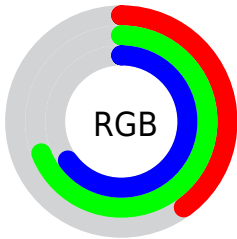
Format	Color
RYB	101, 141, 176
Decimal	6664358
CIELab	66.95, -25.76, -2.18
CIElCh	67, 25.851, 184.847
Yxy	36.5705, 0.2620, 0.3449
Android (android.graphics.Color)	4284854438 (0xFF65B0A6)
YUV	152.4350, 6.6875, -45.1085
Hunter-Lab	60.4735, -23.8448, 1.4757

Details

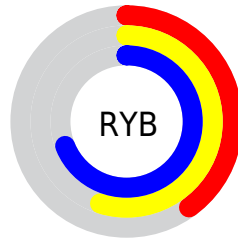
The XYZ color **27.7751, 36.5705, 41.6713** is a light color, and the websafe version is hex **339999**. A complement of this color would be **25.4287, 19.6862, 17.4999**, and the grayscale version is **30.0187, 31.5820, 34.3928**.

A 20% lighter version of the original color is **55.6181, 70.0016, 78.9869**, and **11.2469, 15.9617, 18.4077** is the 20% darker color. If you saturate the color by 10%, you get **25.7985, 35.5771, 40.4658**, and if you desaturate by 10%, it is **30.1798, 37.7859, 42.9190**.

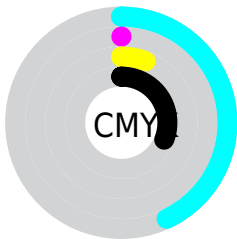
Distribution



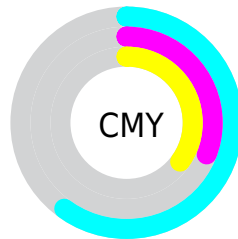
- Red (40%)
- Green (69%)
- Blue (65%)



- Red (40%)
- Yellow (55%)
- Blue (69%)



- Cyan (43%)
- Magenta (0%)
- Yellow (6%)
- Black (31%)



- Cyan (60%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.7751, 36.5705, 41.6713 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 27.7751, 36.5705, 41.6713 by changing the saturation by 10% instead.

■ 27.7751, 36.5705,
41.6713

■ 27.7751, 36.5705,
41.6713

283.4903,
331.4473, 368.8779

■ 18.2958, 24.8751,
28.5204

■ 55.5363, 69.9117,
78.9666

■ 11.2635, 15.9840,
18.4758

■ 74.5490, 92.3263,
103.9481

■ 6.3130, 9.5129,
11.1192

■ 97.4701, 119.0828,
133.7101

■ 3.0788, 5.0772,
6.0319

■ 124.6650,
150.5656, 168.6713

■ 1.1956, 2.2926,
2.7954

156.4992,
187.1590, 209.2501

■ 0.1029, 0.7698,
0.9911

193.3379,

■ 0.0000, 0.0000,

229.2475, 255.8651

0.0000

235.5464,
277.2155, 308.9349

■ 27.7751, 36.5705,
41.6713

■ 27.7751, 36.5705,
41.6713

■ 25.7985, 35.5771,
40.4658

■ 30.1798, 37.7859,
42.9190

■ 24.2196, 34.7873,
39.2985

■ 33.0341, 39.2318,
44.2075

■ 23.0089, 34.1870,
38.1687


■ 36.3620, 40.9214,
45.5389


■ 22.1319, 33.7581,
37.0748


■ 40.1849, 42.8657,
46.9144


■ 21.5468, 33.4794,
36.0145


■ 44.5228, 45.0750,
48.3348

 21.2371, 33.3363,
35.2499

 49.3946, 47.5591,
49.8013

 54.8182, 50.3272,
51.3148

 60.8107, 53.3881,
52.8761

 65.7490, 55.9051,
54.4095

Harmonies

Analogous

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



28.3717, 36.5705, 31.3286



27.7751, 36.5705, 41.6713



28.9317, 36.5705, 53.4742

Triad

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



27.7751, 36.5705, 41.6713



39.2473, 36.5705, 60.2976



38.0631, 36.5705, 23.2980

Complementary

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



27.7751, 36.5705, 41.6713



25.4287, 19.6862, 17.4999

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.



41.3209, 36.5705, 28.7122



27.7751, 36.5705, 41.6713



42.0398, 36.5705, 49.7196

Square

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



27.7751, 36.5705, 41.6713



35.4000, 36.5705, 65.4410



42.8256, 36.5705, 38.0225



34.1261, 36.5705, 21.9467

Rectangle

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



27.7751, 36.5705, 41.6713



30.5965, 36.5705, 60.2102



42.8256, 36.5705, 38.0225



39.2832, 36.5705, 24.6458

Sweetspot

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



27.7762, 36.5719, 41.6721



65.5498, 74.0138, 82.4388



24.5894, 35.4529, 17.8598



13.9087, 15.8891, 17.7513



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.7762, 36.5719, 41.6721



47.0217, 64.6399, 73.5440



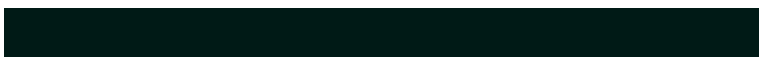
24.0709, 27.6356, 45.1414



8.6929, 9.6117, 10.6426



15.5970, 24.4648, 25.9445



0.5042, 0.7751, 0.8871

Inverse Universe

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



25.4287, 19.6862, 17.4999



42.2179, 29.9896, 24.0075



27.8764, 25.4143, 15.7489



8.5410, 8.5231, 9.0812



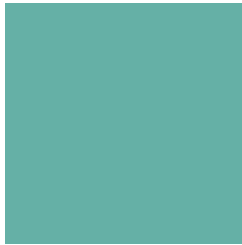
13.2668, 6.8243, 1.2988



0.4320, 0.2205, 0.1175

Previews

White Background



This preview shows how the XYZ color 27.7751, 36.5705, 41.6713 looks on a white background.

Color Contrast Check

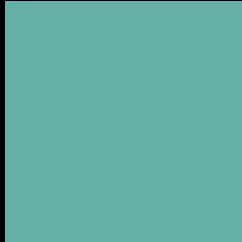
Large Text (above 18pt) WCAG AA × Fail

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 27.7751, 36.5705, 41.6713 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 27.7751, 36.5705, 41.6713

Background



This preview shows how black text looks on a background with the XYZ color 27.7751, 36.5705, 41.6713.

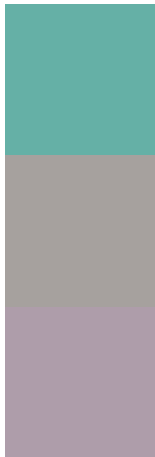


This preview shows how white text looks on a background with the XYZ color 27.7751, 36.5705,

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

27.7751, 36.5705, 41.6713

Protanopia

34.6423, 36.0654, 37.4832

Deuteranopia

36.7682, 36.0149, 43.0439



Tritanopia

29.9766, 36.6008, 52.4984

Trichromacy



Original Color

27.7751, 36.5705, 41.6713

Protanomaly

31.2246, 35.5964, 38.9433

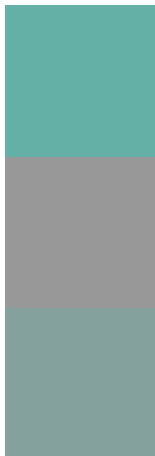
Deuteranomaly

32.4695, 35.6185, 42.6999

Tritanomaly

29.0984, 36.5300, 48.1652

Monochromacy



Original Color

27.7751, 36.5705, 41.6713

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.5035, 32.9106, 36.7484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.7751, 36.5705, 41.6713 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(101, 176, 166)` looks like.

```
.text, #text, p{  
    color:rgb(101, 176, 166)  
}
```

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(101, 176, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 176, 166) }
```

Border

The CSS property to change the border of an element to XYZ 27.7751, 36.5705, 41.6713 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(101, 176, 166) }
```


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

```
.border{ border-color:rgb(101, 176, 166) }
```

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

Here you see how a box with a 4 pixel rgb(101, 176, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 176, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 176, 166);  
box-shadow:4px 4px 4px 4px rgb(101, 176,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 27.7751, 36.5705, 41.6713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 176, 166) }
```

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

```
.background{ background-color: rgb(101,  
176, 166) }
```

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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