

Converting Colors

XYZ(27.4298, 35.9165, 42.1889)

Have a look what the booklet for
XYZ(27.4298, 35.9165, 42.1889)
contains.

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Color

**XYZ(27.3666, 35.7714,
42.0214)**

Conversions

Conversions Part 1

Format	Color
Hex	64AEA7
RGB	100, 174, 167
RGB Percent	39%, 68%, 65%
CMY	0.6078, 0.3176, 0.3451
CMYK	0.43, 0.00, 0.04, 0.32
HSL	174°, 31%, 54%
HSV	174°, 43%, 68%
XYZ	27.3666, 35.7714, 42.0214
YIQ	151.0760, -41.8570, -17.8650

Conversions

Conversions Part 2

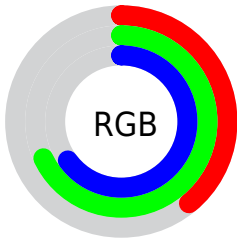
Format	Color
R _{YB}	100, 139, 174
Decimal	6598311
CIE _{Lab}	66.34, -24.77, -3.64
CIE _{LCh}	66, 25.036, 188.358
Y _{xy}	35.7714, 0.2602, 0.3402
Android (android.graphics.Color)	4284788391 (0xFF64AEA7)
YUV	151.0760, 7.8505, -44.7937
Hunter-Lab	59.8092, -22.9907, 0.2098

Details

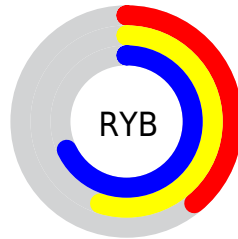
The XYZ color **27.3666, 35.7714, 42.0214** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.6678, 19.1755, 16.3123**, and the grayscale version is **29.4290, 30.9616, 33.7172**.

A 20% lighter version of the original color is **54.9992, 68.8361, 79.4952**, and **11.0141, 15.4704, 18.6252** is the 20% darker color. If you saturate the color by 10%, you get **25.4928, 34.8238, 41.1449**, and if you desaturate by 10%, it is **29.6554, 36.9345, 42.9290**.

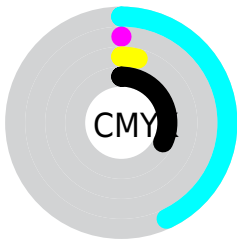
Distribution



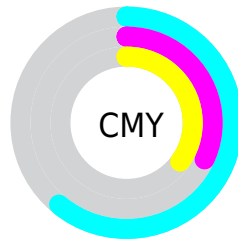
- Red (39%)
- Green (68%)
- Blue (65%)



- Red (39%)
- Yellow (55%)
- Blue (68%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (32%)



- Cyan (61%)
- Magenta (32%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3666, 35.7714, 42.0214 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 27.3666, 35.7714, 42.0214 by changing the saturation by 10% instead.

■ 27.3666, 35.7714,
42.0214

■ 27.3666, 35.7714,
42.0214

281.5631,
327.9603, 370.3739

■ 17.9868, 24.2577,
28.7924

■ 54.8873, 68.6791,
79.5025

■ 11.0401, 15.5249,
18.6796

■ 73.7589, 90.8418,
104.5915

■ 6.1613, 9.1886,
11.2645

■ 96.5251, 117.3231,
134.4710

■ 2.9850, 4.8644,
6.1286

■ 123.5513,
148.5072, 169.5595

■ 1.1458, 2.1679,
2.8534

155.2029,
184.7786, 210.2755

■ 0.0629, 0.7024,
1.0203

191.8451,

■ 0.0000, 0.0000,

226.5216, 257.0375

0.0000

233.8434,
274.1207, 310.2642

■ 27.3666, 35.7714,
42.0214

■ 27.3666, 35.7714,
42.0214

■ 25.4928, 34.8238,
41.1449

■ 29.6554, 36.9345,
42.9290

■ 24.0046, 34.0738,
40.2958

■ 32.3803, 38.3213,
43.8663

■ 22.8733, 33.5077,
39.4734


■ 35.5644, 39.9446,
44.8354


■ 22.0654, 33.1080,
38.6762


■ 39.2285, 41.8151,
45.8371


■ 21.5406, 32.8540,
37.9022


■ 43.3920, 43.9429,
46.8724

 21.2686, 32.7260,
37.3359

 48.0733, 46.3374,
47.9423

 53.2899, 49.0076,
49.0476

 59.0584, 51.9620,
50.1891

 64.8014, 54.9032,
51.3398

Harmonies

Analogous

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



27.7410, 35.7714, 31.8332



27.3666, 35.7714, 42.0214



28.6642, 35.7714, 53.1861

Triad

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



27.3666, 35.7714, 42.0214



38.6627, 35.7714, 57.4436



36.7227, 35.7714, 22.7643

Complementary

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



27.3666, 35.7714, 42.0214



24.6678, 19.1755, 16.3123

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.



39.9591, 35.7714, 27.5104



27.3666, 35.7714, 42.0214



41.1352, 35.7714, 47.0532

Square

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



27.3666, 35.7714, 42.0214



35.0562, 35.7714, 63.0987



41.6262, 35.7714, 36.0301



32.9646, 35.7714, 21.9127

Rectangle

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



27.3666, 35.7714, 42.0214



30.3632, 35.7714, 59.2561



41.6262, 35.7714, 36.0301



37.9155, 35.7714, 23.9088

Sweetspot

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



27.3676, 35.7728, 42.0222



64.0745, 72.2319, 81.1988



23.5490, 34.3442, 17.4453



13.9486, 15.9051, 17.9614



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.



27.3676, 35.7728, 42.0222



46.4313, 63.2615, 74.7282



22.9305, 25.8344, 43.8239



8.2032, 9.0588, 10.0949



15.4375, 23.7403, 27.1413



0.4387, 0.6641, 0.8038

Inverse Universe

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



24.6678, 19.1755, 16.3123



40.8923, 29.1456, 21.9338



27.6865, 25.7790, 15.5739



8.0349, 8.0272, 8.4945



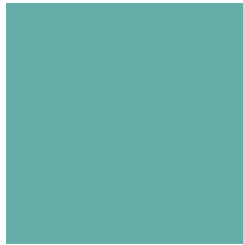
12.7415, 6.5592, 1.0184



0.3641, 0.1863, 0.0791

Previews

White Background



This preview shows how the XYZ color 27.3666, 35.7714, 42.0214 looks on a white background.

Color Contrast Check

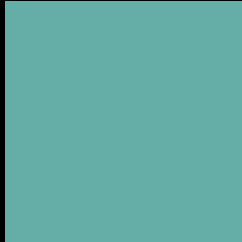
Large Text (above 18pt) WCAG AA × Fail

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 27.3666, 35.7714, 42.0214 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

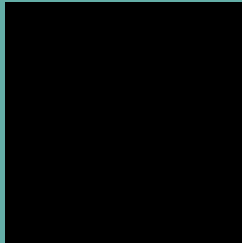
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.3666, 35.7714, 42.0214

Background



This preview shows how black text looks on a background with the XYZ color 27.3666, 35.7714, 42.0214.

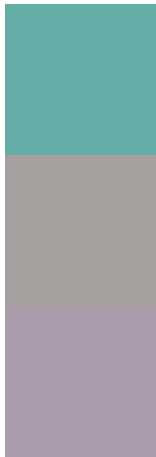


This preview shows how white text looks on a background with the XYZ color 27.3666, 35.7714,

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

27.3666, 35.7714, 42.0214

Protanopia

34.1387, 35.5373, 37.8610

Deuteranopia

36.0337, 35.3751, 43.4570



Tritanopia

29.1456, 35.6319, 51.2404

Trichromacy



Original Color

27.3666, 35.7714, 42.0214

Protanomaly

30.9612, 35.1816, 39.3413

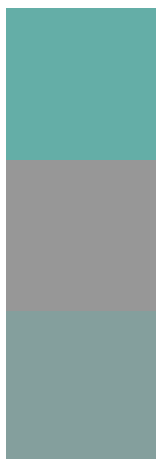
Deuteranomaly

32.0299, 35.1164, 43.1202

Tritanomaly

28.3819, 35.6030, 47.4957

Monochromacy



Original Color

27.3666, 35.7714, 42.0214

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

27.9997, 32.1361, 36.6254

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3666, 35.7714, 42.0214 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(100, 174, 167)` looks like.

```
.text, #text, p{  
    color:rgb(100, 174, 167)  
}
```

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(100, 174, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 174, 167) }
```

Border

The CSS property to change the border of an element to XYZ 27.3666, 35.7714, 42.0214 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(100, 174, 167) }
```


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

```
.border{ border-color:rgb(100, 174, 167) }
```

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

Here you see how a box with a 4 pixel rgb(100, 174, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 174, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 174, 167);  
box-shadow:4px 4px 4px 4px rgb(100, 174,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3666, 35.7714, 42.0214 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 174, 167) }
```

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

```
.background{ background-color: rgb(100,  
174, 167) }
```

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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