

Converting Colors

XYZ(27.8639, 36.0276, 45.5148)

Have a look what the booklet for
XYZ(27.8639, 36.0276, 45.5148)
contains.

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Color

**XYZ(27.8130, 35.9248,
45.5127)**

Conversions

Conversions Part 1

Format	Color
Hex	62AEAE
RGB	98, 174, 174
RGB Percent	38%, 68%, 68%
CMY	0.6157, 0.3176, 0.3176
CMYK	0.44, 0.00, 0.00, 0.32
HSL	180°, 32%, 53%
HSV	180°, 44%, 68%
XYZ	27.8130, 35.9248, 45.5127
YIQ	151.2760, -45.2960, -16.1120

Conversions

Conversions Part 2

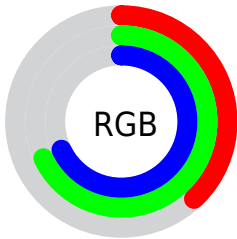
Format	Color
RYB	98, 136, 174
Decimal	6467246
CIELab	66.46, -23.49, -7.36
CIElCh	66, 24.618, 197.401
Yxy	35.9248, 0.2546, 0.3288
Android (android.graphics.Color)	4284657326 (0xFF62AEAE)
YUV	151.2760, 11.2029, -46.7231
Hunter-Lab	59.9373, -22.0600, -3.0651

Details

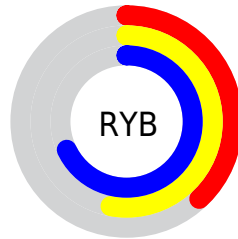
The XYZ color **27.8130, 35.9248, 45.5127** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **24.0290, 18.6168, 13.8834**, and the grayscale version is **29.5019, 31.0383, 33.8007**.

A 20% lighter version of the original color is **55.5765, 69.0231, 84.5223**, and **11.2647, 15.5513, 20.8203** is the 20% darker color. If you saturate the color by 10%, you get **26.1361, 35.0612, 45.4348**, and if you desaturate by 10%, it is **29.9002, 37.0016, 45.6114**.

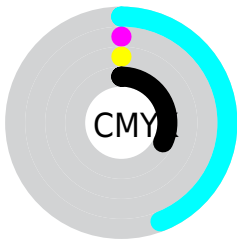
Distribution



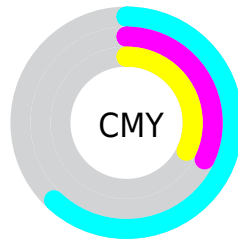
- Red (38%)
- Green (68%)
- Blue (68%)



- Red (38%)
- Yellow (53%)
- Blue (68%)



- Cyan (44%)
- Magenta (0%)
- Yellow (0%)
- Black (32%)



- Cyan (62%)
- Magenta (32%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.8130, 35.9248, 45.5127 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 27.8130, 35.9248, 45.5127 by changing the saturation by 10% instead.

■ 27.8130, 35.9248,
45.5127

■ 27.8130, 35.9248,
45.5127

283.6686,
328.6317, 385.0666

■ 18.3245, 24.3761,
31.5156

■ 55.5965, 68.9160,
84.8158

■ 11.2843, 15.6129,
20.7300

■ 74.6222, 91.1273,
110.9589

■ 6.3271, 9.2506,
12.7375

■ 97.5576, 117.6616,
141.9877

■ 3.0875, 4.9050,
7.1194

■ 124.7681,
148.9032, 178.3208

■ 1.2002, 2.1916,
3.4573

156.6192,
185.2367, 220.3767

■ 0.1065, 0.7154,
1.3326

193.4760,

■ 0.0000, 0.0000,

227.0463, 268.5739

0.0883

235.7040,
274.7166, 323.3310

■ 0.0000, 0.0000,
0.0000

■ 27.8130, 35.9248,
45.5127

■ 27.8130, 35.9248,
45.5127

■ 26.1361, 35.0612,
45.4348

■ 29.9002, 37.0016,
45.6114

■ 24.8395, 34.3928,
45.3739

■ 32.4187, 38.3000,
45.7295

■ 23.8944, 33.9056,
45.3294

■ 35.3921, 39.8328,
45.8689

■ 23.2665, 33.5819,
45.2998

■ 38.8412, 41.6109,
46.0305

■ 22.9146, 33.4005,
45.2831

■ 42.7856, 43.6443,
46.2153

■ 22.7765, 33.3293,
45.2765

■ 47.2438, 45.9426,
46.4242

■ 52.2333, 48.5147,
46.6579

■ 57.7707, 51.3694,
46.9173

■ 63.8722, 54.5148,
47.2031

Harmonies

Analogous

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



27.6790, 35.9248, 34.8494



27.8130, 35.9248, 45.5127



29.5649, 35.9248, 56.0603

Triad

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



27.8130, 35.9248, 45.5127



39.6388, 35.9248, 54.5437



35.7164, 35.9248, 22.4485

Complementary

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



27.8130, 35.9248, 45.5127



24.0290, 18.6168, 13.8834

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.



39.1762, 35.9248, 25.9845



27.8130, 35.9248, 45.5127



41.5479, 35.9248, 43.7174

Square

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



27.8130, 35.9248, 45.5127



36.3115, 35.9248, 61.8848



41.3728, 35.9248, 33.3486



32.0673, 35.9248, 22.7543

Rectangle

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



27.8130, 35.9248, 45.5127



31.4911, 35.9248, 61.0331



41.3728, 35.9248, 33.3486



36.9450, 35.9248, 23.1962

Sweetspot

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



27.8141, 35.9262, 45.5135



64.4566, 72.3848, 83.2108



22.5165, 33.8231, 16.8977



14.0474, 15.9446, 18.4814



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.



27.8141, 35.9262, 45.5135



47.6120, 63.7011, 82.4208



21.6616, 23.6210, 43.4637



8.2364, 9.0721, 10.2696



16.5193, 24.1730, 32.8381



0.4596, 0.6725, 0.9135

Inverse Universe

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



24.0290, 18.6168, 13.8834



39.8816, 28.3492, 17.8207



28.2882, 27.1354, 15.3026



8.0053, 8.0154, 8.3386



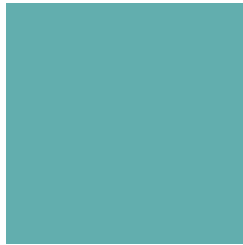
12.6607, 6.5268, 0.5926



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 27.8130, 35.9248, 45.5127 looks on a white background.

Color Contrast Check

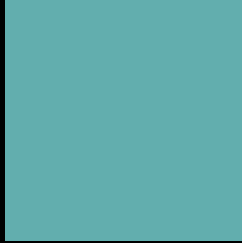
Large Text (above 18pt) WCAG AA × Fail

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 27.8130, 35.9248, 45.5127 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

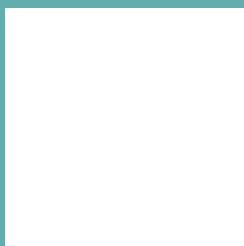
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.8130, 35.9248, 45.5127

Background



This preview shows how black text looks on a background with the XYZ color 27.8130, 35.9248, 45.5127.

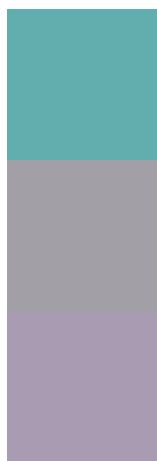


This preview shows how white text looks on a background with the XYZ color 27.8130, 35.9248,

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

27.8130, 35.9248, 45.5127

Protanopia

34.3540, 35.5762, 41.1326

Deuteranopia

36.2865, 35.4263, 47.0449



Tritanopia

29.0949, 35.8750, 51.8455

Trichromacy



Original Color

27.8130, 35.9248, 45.5127

Protanomaly

31.2640, 35.2638, 42.6949

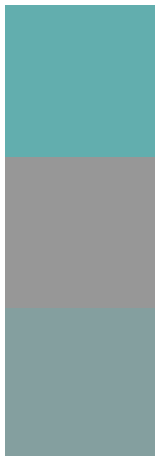
Deuteranomaly

32.3607, 35.2084, 46.6853

Tritanomaly

28.7539, 36.0312, 49.6952

Monochromacy



Original Color

27.8130, 35.9248, 45.5127

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

28.1719, 32.2050, 37.5323

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.8130, 35.9248, 45.5127 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(98, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(98, 174, 174)  
}
```

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(98, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 174, 174) }
```

Border

The CSS property to change the border of an element to XYZ 27.8130, 35.9248, 45.5127 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(98, 174, 174) }
```


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

```
.border{ border-color:rgb(98, 174, 174) }
```

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

Here you see how a box with a 4 pixel rgb(98, 174, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(98, 174,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 27.8130, 35.9248, 45.5127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 174, 174) }
```

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

```
.background{ background-color: rgb(98, 174,  
174) }
```

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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