

Converting Colors

XYZ(27.0489, 31.4911, 43.6843)

Have a look what the booklet for
XYZ(27.0489, 31.4911, 43.6843)
contains.

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Color

**XYZ(27.0470, 31.4878,
43.6820)**

Conversions

Conversions Part 1

Format	Color
Hex	749FAC
RGB	116, 159, 172
RGB Percent	45%, 62%, 67%
CMY	0.5451, 0.3765, 0.3255
CMYK	0.33, 0.08, 0.00, 0.33
HSL	194°, 25%, 56%
HSV	194°, 33%, 67%
XYZ	27.0470, 31.4878, 43.6820
YIQ	147.6250, -29.8010, -5.0730

Conversions

Conversions Part 2

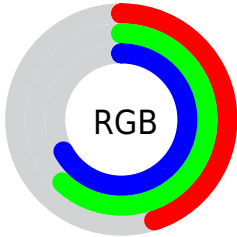
Format	Color
R _Y B	116, 140, 172
Decimal	7643052
CIE Lab	62.92, -11.29, -11.44
CIE LCh	63, 16.072, 225.393
Yxy	31.4878, 0.2646, 0.3080
Android (android.graphics.Color)	4285833132 (0xFF749FAC)
YUV	147.6250, 12.0169, -27.7351
Hunter-Lab	56.1140, -12.1623, -6.8746

Details

The XYZ color **27.0470, 31.4878, 43.6820** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **28.0164, 25.7326, 20.0141**, and the grayscale version is **27.9535, 29.4092, 32.0266**.

A 20% lighter version of the original color is **54.4893, 62.1852, 81.8041**, and **10.9327, 13.2050, 19.7419** is the 20% darker color. If you saturate the color by 10%, you get **24.2936, 29.0663, 43.3603**, and if you desaturate by 10%, it is **30.2478, 34.1744, 44.0324**.

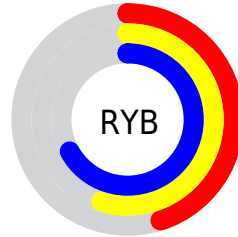
Distribution



Red (45%)

Green (62%)

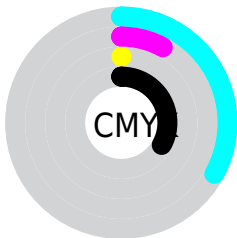
Blue (67%)



Red (45%)

Yellow (55%)

Blue (67%)

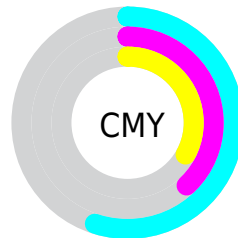


Cyan (33%)

Magenta (8%)

Yellow (0%)

Black (33%)



Cyan (55%)

Magenta (38%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.0470, 31.4878, 43.6820 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 27.0470, 31.4878, 43.6820 by changing the saturation by 10% instead.

■ 27.0470, 31.4878,
43.6820

■ 27.0470, 31.4878,
43.6820

280.0480,
308.7794, 377.4123

■ 17.7453, 20.9706,
30.0852

■ 54.3786, 62.0073,
82.0364

■ 10.8659, 13.1025,
19.6507

■ 73.1393, 82.7783,
107.6311

■ 6.0433, 7.4992,
11.9598

■ 95.7836, 107.7360,
138.0622

■ 2.9124, 3.7762,
6.5941

122.6770,
137.2649, 173.7482

■ 1.1076, 1.5492,
3.1350

154.1847,
171.7492, 215.1077

■ 0.0315, 0.3230,
1.1640

190.6723,

■ 0.0000, 0.0000,

211.5735, 262.5591

0.0000

232.5049,
257.1221, 316.5212

■ 27.0470, 31.4878,
43.6820

■ 27.0470, 31.4878,
43.6820

■ 24.2936, 29.0663,
43.3603

■ 30.2478, 34.1744,
44.0324

■ 21.9612, 26.8937,
43.0638

■ 33.9150, 37.1339,
44.4104

■ 20.0248, 24.9575,
42.7922

■ 38.0698, 40.3783,
44.8176

■ 18.4556, 23.2426,
42.5439

■ 42.7313, 43.9178,
45.2551

■ 17.2205, 21.7316,
42.3173

■ 47.9177, 47.7619,
45.7237

■ 16.2803, 20.4040,
42.1106

■ 53.6459, 51.9198,
46.2244

■ 15.7081, 19.5019,
41.9666

■ 59.9325, 56.4001,
46.7578

■ 66.7929, 61.2113,
47.3249

■ 68.1871, 63.2398,
47.6430

Harmonies

Analogous

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



26.0218, 31.4878, 37.6119



27.0470, 31.4878, 43.6820



28.8711, 31.4878, 47.4362

Triad

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



27.0470, 31.4878, 43.6820



34.2237, 31.4878, 37.4408



28.8163, 31.4878, 23.8549

Complementary

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



27.0470, 31.4878, 43.6820



28.0164, 25.7326, 20.0141

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.



31.0108, 31.4878, 23.8211



27.0470, 31.4878, 43.6820



34.2073, 31.4878, 31.1601

Square

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



27.0470, 31.4878, 43.6820



33.0511, 31.4878, 43.5436



33.0071, 31.4878, 26.3424



27.0085, 31.4878, 26.4415

Rectangle

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



27.0470, 31.4878, 43.6820



30.3287, 31.4878, 47.8582



33.0071, 31.4878, 26.3424



29.5313, 31.4878, 23.5562

Sweetspot

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



27.0480, 31.4890, 43.6827



63.2366, 68.7174, 80.7366



25.8608, 34.7808, 25.8193



13.5292, 14.7653, 17.5246



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



27.0480, 31.4890, 43.6827



45.4197, 53.9387, 78.8231



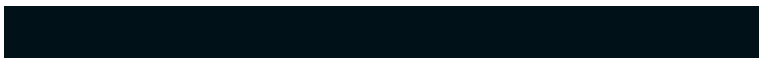
22.8828, 23.1588, 42.2944



8.0764, 8.7521, 10.2163



11.7324, 14.5987, 31.2440



0.3644, 0.4821, 0.8818

Inverse Universe

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



29.5175, 23.7655, 35.8336



50.7032, 38.1334, 61.8689



32.0772, 33.8541, 21.3677



8.2563, 8.1158, 9.6607



15.7856, 7.7768, 17.0484



0.4583, 0.2240, 0.5753

Previews

White Background



This preview shows how the XYZ color 27.0470, 31.4878, 43.6820 looks on a white background.

Color Contrast Check

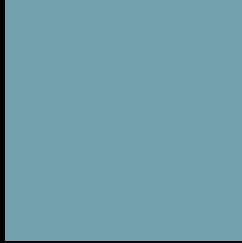
Large Text (above 18pt) WCAG AA × Fail

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 27.0470, 31.4878, 43.6820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

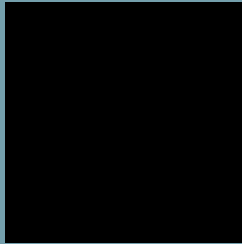
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.0470, 31.4878, 43.6820

Background



This preview shows how black text looks on a background with the XYZ color 27.0470, 31.4878, 43.6820.



This preview shows how white text looks on a background with the XYZ color 27.0470, 31.4878,

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

27.0470, 31.4878, 43.6820

Protanopia

30.6193, 31.4073, 41.0076

Deuteranopia

31.9402, 31.3037, 44.4032



Tritanopia

27.0470, 31.4878, 43.6820

Trichromacy



Original Color

27.0470, 31.4878, 43.6820

Protanomaly

29.1983, 31.3790, 42.0540

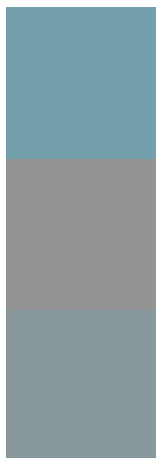
Deuteranomaly

29.7556, 31.1363, 43.9768

Tritanomaly

27.0470, 31.4878, 43.6820

Monochromacy



Original Color

27.0470, 31.4878, 43.6820

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

27.4674, 30.1250, 36.2653

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.0470, 31.4878, 43.6820 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(116, 159, 172)` looks like.

```
.text, #text, p{  
    color:rgb(116, 159, 172)  
}
```

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(116, 159, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 159, 172) }
```

Border

The CSS property to change the border of an element to XYZ 27.0470, 31.4878, 43.6820 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(116, 159, 172) }
```


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

```
.border{ border-color:rgb(116, 159, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 159, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 159, 172); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 159, 172); box-shadow:4px 4px 4px 4px rgb(116, 159, 172) }
```

Background

The CSS property to change the background color of an element to XYZ 27.0470, 31.4878, 43.6820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 159, 172) }
```

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

```
.background{ background-color: rgb(116,  
159, 172) }
```

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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