

Converting Colors

XYZ(27.5235, 31.5869, 45.2175)

Have a look what the booklet for
XYZ(27.5235, 31.5869, 45.2175)
contains.

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Color

**XYZ(27.6072, 31.7430,
45.2294)**

Conversions

Conversions Part 1

Format	Color
Hex	769FAF
RGB	118, 159, 175
RGB Percent	46%, 62%, 69%
CMY	0.5372, 0.3765, 0.3137
CMYK	0.33, 0.09, 0.00, 0.31
HSL	197°, 26%, 57%
HSV	197°, 33%, 69%
XYZ	27.6072, 31.7430, 45.2294
YIQ	148.5650, -29.5720, -3.7160

Conversions

Conversions Part 2

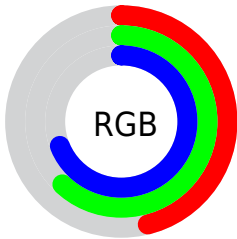
Format	Color
R_{YB}	118, 142, 175
Decimal	7774127
CIE _{Lab}	63.13, -9.95, -12.80
CIE _{LCh}	63, 16.209, 232.141
Yxy	31.7430, 0.2640, 0.3035
Android (android.graphics.Color)	4285964207 (0xFF769FAF)
YUV	148.5650, 13.0325, -26.8055
Hunter-Lab	56.3409, -11.1312, -8.1582

Details

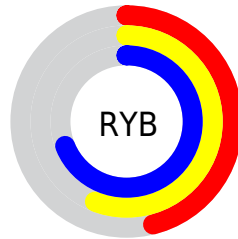
The XYZ color **27.6072, 31.7430, 45.2294** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **29.4747, 27.4724, 20.8895**, and the grayscale version is **28.3412, 29.8172, 32.4709**.

A 20% lighter version of the original color is **55.4836, 62.6333, 84.7664**, and **11.2525, 13.3485, 20.7223** is the 20% darker color. If you saturate the color by 10%, you get **24.6199, 28.9746, 44.8530**, and if you desaturate by 10%, it is **31.0709, 34.8083, 45.6391**.

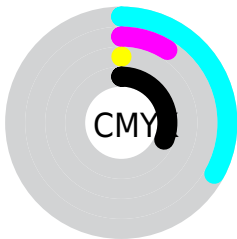
Distribution



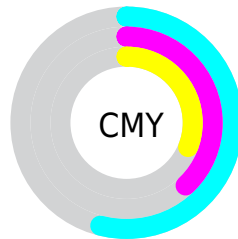
- Red (46%)
- Green (62%)
- Blue (69%)



- Red (46%)
- Yellow (56%)
- Blue (69%)



- Cyan (33%)
- Magenta (9%)
- Yellow (0%)
- Black (31%)



- Cyan (54%)
- Magenta (38%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6072, 31.7430, 45.2294 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 27.6072, 31.7430, 45.2294 by changing the saturation by 10% instead.

■ 27.6072, 31.7430,
45.2294

■ 27.6072, 31.7430,
45.2294

282.6994,
309.9469, 383.8890

■ 18.1687, 21.1653,
31.2939

■ 55.2697, 62.4080,
84.3866

■ 11.1716, 13.2449,
20.5624

■ 74.2245, 83.2640,
110.4454

■ 6.2505, 7.5974,
12.6164

■ 97.0821, 108.3150,
141.3824

■ 3.0401, 3.8384,
7.0373

124.2078,
137.9452, 177.6162

■ 1.1750, 1.5836,
3.4067

155.9671,
172.5391, 219.5651

■ 0.0865, 0.3465,
1.3058

192.7252,

■ 0.0000, 0.0000,

212.4811, 267.6479

0.0666

234.8475,
258.1555, 322.2830

■ 0.0000, 0.0000,
0.0000

■ 27.6072, 31.7430,
45.2294

■ 27.6072, 31.7430,
45.2294

■ 24.6199, 28.9746,
44.8530

■ 31.0709, 34.8083,
45.6391

■ 22.0813, 26.4861,
44.5065

■ 35.0311, 38.1792,
46.0810

■ 19.9652, 24.2640,
44.1891

■ 39.5100, 41.8685,
46.5570

■ 18.2412, 22.2921,
43.8994

■ 44.5278, 45.8871,
47.0682

■ 16.8748, 20.5521,
43.6355

■ 50.1034, 50.2452,
47.6156

■ 15.8246, 19.0219,
43.3955

■ 56.2549, 54.9528,
48.2000

■ 15.1839, 17.9871,
43.2296

■ 62.9995, 60.0192,
48.8224

■ 69.2401, 64.8794,
49.4316

■ 70.3833, 67.1659,
49.8127

Harmonies

Analogous

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



26.3594, 31.7430, 39.4165



27.6072, 31.7430, 45.2294



29.5864, 31.7430, 48.2582

Triad

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



27.6072, 31.7430, 45.2294



34.6354, 31.7430, 36.2747



28.5785, 31.7430, 24.3620

Complementary

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



27.6072, 31.7430, 45.2294



29.4747, 27.4724, 20.8895

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.



30.7627, 31.7430, 23.7396



27.6072, 31.7430, 45.2294



34.3329, 31.7430, 30.1248

Square

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



27.6072, 31.7430, 45.2294



33.6958, 31.7430, 42.6876



32.8883, 31.7430, 25.7206



26.9006, 31.7430, 27.5403

Rectangle

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



27.6072, 31.7430, 45.2294



31.0845, 31.7430, 48.0588



32.8883, 31.7430, 25.7206



29.2751, 31.7430, 23.8642

Sweetspot

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



27.6082, 31.7443, 45.2301



64.5758, 69.9082, 82.7270



27.0493, 36.2111, 27.8273



14.1166, 15.3414, 18.3615



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.



27.6082, 31.7443, 45.2301



45.5581, 53.2757, 80.5189



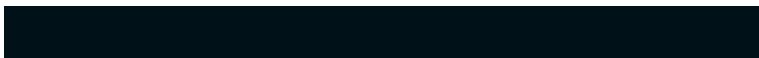
23.3664, 23.2607, 43.8162



8.0435, 8.6863, 10.2054



10.9275, 12.9888, 30.9757



0.3471, 0.4475, 0.8761

Inverse Universe

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



30.4164, 24.5748, 35.9426



51.4879, 38.8955, 60.7378



33.8174, 36.1577, 22.3370



8.2397, 8.1091, 9.5733



15.3793, 7.6143, 14.9088



0.4496, 0.2205, 0.5292

Previews

White Background



This preview shows how the XYZ color 27.6072, 31.7430, 45.2294 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 27.6072, 31.7430, 45.2294 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

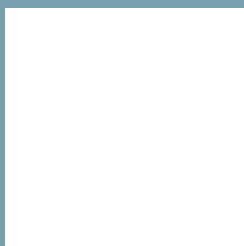
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.6072, 31.7430, 45.2294

Background



This preview shows how black text looks on a background with the XYZ color 27.6072, 31.7430, 45.2294.



This preview shows how white text looks on a background with the XYZ color 27.6072, 31.7430,

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

27.6072, 31.7430, 45.2294

Protanopia

30.9000, 31.5195, 42.4855

Deuteranopia

32.2008, 31.6378, 46.0045



Tritanopia

27.1806, 31.5567, 43.6882

Trichromacy



Original Color

27.6072, 31.7430, 45.2294

Protanomaly

29.4832, 31.4930, 43.5546

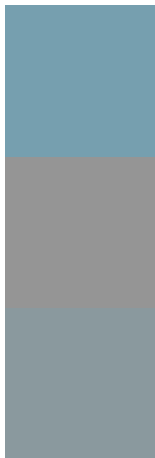
Deuteranomaly

30.3830, 31.6678, 45.5854

Tritanomaly

27.2771, 31.5953, 44.1960

Monochromacy



Original Color

27.6072, 31.7430, 45.2294

Achromatopsia

28.5667, 30.0544, 32.7292

Achromatomaly

28.0440, 30.6544, 36.7866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6072, 31.7430, 45.2294 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(118, 159, 175)` looks like.

```
.text, #text, p{  
    color:rgb(118, 159, 175)  
}
```

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(118, 159, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 159, 175) }
```

Border

The CSS property to change the border of an element to XYZ 27.6072, 31.7430, 45.2294 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(118, 159, 175) }
```


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

```
.border{ border-color:rgb(118, 159, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 159, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 159, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 159, 175);  
box-shadow:4px 4px 4px 4px rgb(118, 159,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6072, 31.7430, 45.2294 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 159, 175) }
```

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

```
.background{ background-color: rgb(118,  
159, 175) }
```

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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