

Converting Colors

XYZ(27.2871, 31.5135, 47.5694)

Have a look what the booklet for
XYZ(27.2871, 31.5135, 47.5694)
contains.

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Color

**XYZ(27.3184, 31.5363,
47.8273)**

Conversions

Conversions Part 1

Format	Color
Hex	709FB4
RGB	112, 159, 180
RGB Percent	44%, 62%, 71%
CMY	0.5608, 0.3765, 0.2941
CMYK	0.38, 0.12, 0.00, 0.29
HSL	199°, 31%, 57%
HSV	199°, 38%, 71%
XYZ	27.3184, 31.5363, 47.8273
YIQ	147.3410, -34.7530, -3.4330

Conversions

Conversions Part 2

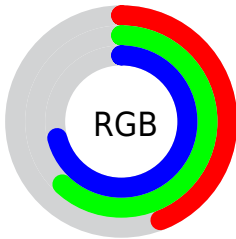
Format	Color
R_{YB}	112, 140, 180
Decimal	7380916
CIE _{Lab}	62.96, -10.36, -15.90
CIE _{LCh}	63, 18.978, 236.899
Yxy	31.5363, 0.2561, 0.2956
Android (android.graphics.Color)	4285570996 (0xFF709FB4)
YUV	147.3410, 16.1009, -30.9941
Hunter-Lab	56.1572, -11.4414, -11.1854

Details

The XYZ color **27.3184, 31.5363, 47.8273** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1350, 27.6486, 19.0784**, and the grayscale version is **27.8208, 29.2696, 31.8746**.

A 20% lighter version of the original color is **54.9128, 62.2563, 88.4793**, and **11.0568, 13.2181, 22.0473** is the 20% darker color. If you saturate the color by 10%, you get **24.3188, 28.6034, 47.4198**, and if you desaturate by 10%, it is **30.8208, 34.7937, 48.2720**.

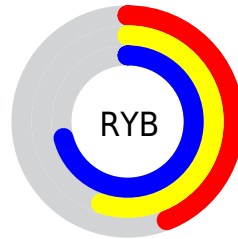
Distribution



Red (44%)

Green (62%)

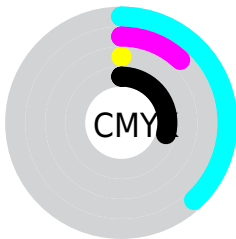
Blue (71%)



Red (44%)

Yellow (55%)

Blue (71%)

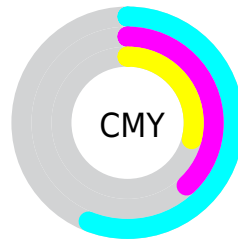


Cyan (38%)

Magenta (12%)

Yellow (0%)

Black (29%)



Cyan (56%)

Magenta (38%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3184, 31.5363, 47.8273 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 27.3184, 31.5363, 47.8273 by changing the saturation by 10% instead.

■ 27.3184, 31.5363,
47.8273

■ 27.3184, 31.5363,
47.8273

281.3350,
309.0015, 394.5961

■ 17.9503, 21.0076,
33.3311

■ 54.8107, 62.0834,
88.3101

■ 11.0138, 13.1295,
22.1070

■ 73.6656, 82.8706,
115.1338

■ 6.1435, 7.5178,
13.7365

■ 96.4134, 107.8461,
146.9037

■ 2.9740, 3.7880,
7.8010

123.4196,
137.3943, 184.0385

■ 1.1400, 1.5557,
3.8819

155.0496,
171.8995, 226.9565

■ 0.0582, 0.3274,
1.5608

191.6685,

■ 0.0000, 0.0000,

211.7462, 276.0765

0.2626

233.6419,
257.3187, 331.8168

■ 0.0000, 0.0000,
0.0000

■ 27.3184, 31.5363,
47.8273

■ 27.3184, 31.5363,
47.8273

■ 24.3188, 28.6034,
47.4198

■ 30.8208, 34.7937,
48.2720

■ 21.7910, 25.9760,
47.0459

■ 34.8488, 38.3859,
48.7531

■ 19.7052, 23.6386,
46.7047

■ 39.4271, 42.3273,
49.2725

■ 18.0263, 21.5722,
46.3943

■ 44.5783, 46.6302,
49.8316

■ 16.7139, 19.7552,
46.1128

■ 50.3232, 51.3062,
50.4313

■ 15.7049, 18.1541,
45.8569

■ 56.6819, 56.3663,
51.0729

■ 15.4983, 17.8152,
45.8024

■ 63.6733, 61.8211,
51.7573

■ 70.9456, 67.4899,
52.4682

■ 72.2859, 70.1706,
52.9150

Harmonies

Analogous

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



25.7212, 31.5363, 41.2530



27.3184, 31.5363, 47.8273



29.7038, 31.5363, 50.7661

Triad

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



27.3184, 31.5363, 47.8273



35.2653, 31.5363, 35.1205



27.7625, 31.5363, 23.0569

Complementary

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



27.3184, 31.5363, 47.8273



30.1350, 27.6486, 19.0784

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.



30.2464, 31.5363, 21.9015



27.3184, 31.5363, 47.8273



34.6722, 31.5363, 28.2419

Square

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



27.3184, 31.5363, 47.8273



34.3741, 31.5363, 42.7926



32.7970, 31.5363, 23.6578



25.9669, 31.5363, 27.0769

Rectangle

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



27.3184, 31.5363, 47.8273



31.4556, 31.5363, 49.9926



32.7970, 31.5363, 23.6578



28.5402, 31.5363, 22.3484

Sweetspot

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



27.3194, 31.5375, 47.8280



68.5422, 74.2369, 89.0112



27.1963, 37.7648, 27.8303



14.5734, 15.8384, 19.2113



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



27.3194, 31.5375, 47.8280



45.1159, 52.8855, 86.1247



22.3308, 21.5604, 46.1652



8.5168, 9.1799, 10.8293



10.8784, 12.5572, 31.9874



0.3912, 0.4929, 1.0228

Inverse Universe

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



30.8753, 23.7956, 35.7679



52.6439, 37.5668, 60.3535



35.4567, 38.2919, 20.8523



8.7361, 8.6011, 10.1085



15.7256, 7.8078, 14.2467



0.5195, 0.2555, 0.5783

Previews

White Background



This preview shows how the XYZ color 27.3184, 31.5363, 47.8273 looks on a white background.

Color Contrast Check

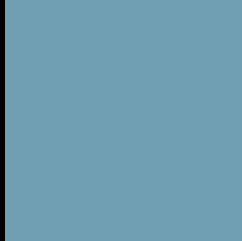
Large Text (above 18pt) WCAG AA × Fail

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 27.3184, 31.5363, 47.8273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

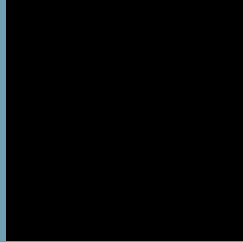
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.3184, 31.5363, 47.8273

Background



This preview shows how black text looks on a background with the XYZ color 27.3184, 31.5363, 47.8273.



This preview shows how white text looks on a background with the XYZ color 27.3184, 31.5363,

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

27.3184, 31.5363, 47.8273

Protanopia

30.9193, 31.4851, 44.4920

Deuteranopia

31.9823, 31.2326, 48.5988



Tritanopia

26.5440, 31.4737, 44.2112

Trichromacy



Original Color

27.3184, 31.5363, 47.8273

Protanomaly

29.3837, 31.3967, 45.5858

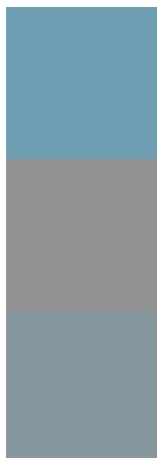
Deuteranomaly

29.8853, 31.1110, 48.1460

Tritanomaly

26.9628, 31.6557, 45.7634

Monochromacy



Original Color

27.3184, 31.5363, 47.8273

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.1561, 29.7048, 37.1032

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3184, 31.5363, 47.8273 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(112, 159, 180)` looks like.

```
.text, #text, p{  
    color:rgb(112, 159, 180)  
}
```

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(112, 159, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 159, 180) }
```

Border

The CSS property to change the border of an element to XYZ 27.3184, 31.5363, 47.8273 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(112, 159, 180) }
```


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

```
.border{ border-color:rgb(112, 159, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 159, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 159, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 159, 180);  
box-shadow:4px 4px 4px 4px rgb(112, 159,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3184, 31.5363, 47.8273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 159, 180) }
```

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

```
.background{ background-color: rgb(112,  
159, 180) }
```

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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