

Converting Colors

XYZ(27.2462, 27.4911, 75.8218)

Have a look what the booklet for
XYZ(27.2462, 27.4911, 75.8218)
contains.

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Color

**XYZ(27.2462, 27.4911,
75.8218)**

Conversions

Conversions Part 1

Format	Color
Hex	5191E2
RGB	81, 145, 226
RGB Percent	32%, 57%, 89%
CMY	0.6823, 0.4314, 0.1137
CMYK	0.64, 0.36, 0.00, 0.11
HSL	214°, 71%, 60%
HSV	214°, 64%, 89%
XYZ	27.2462, 27.4911, 75.8218
YIQ	135.0980, -64.1450, 11.6230

Conversions

Conversions Part 2

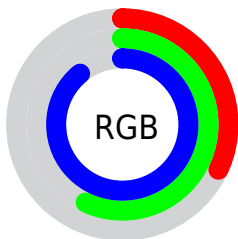
Format	Color
R _Y B	81, 125, 226
Decimal	5345762
CIE Lab	59.43, 4.57, -47.23
CIE LCh	59, 47.448, 275.524
Yxy	27.4911, 0.2087, 0.2106
Android (android.graphics.Color)	4283535842 (0xFF5191E2)
YUV	135.0980, 44.8147, -47.4439
Hunter-Lab	52.4320, 1.0014, -49.0368

Details

The XYZ color **27.2462, 27.4911, 75.8218** is a light color, and the websafe version is hex **3399FF**. The color can be described as light muted azure. A complement of this color would be **45.7714, 42.6063, 13.5976**, and the grayscale version is **22.9227, 24.1165, 26.2628**.

A 20% lighter version of the original color is **49.6288, 53.8176, 102.3799**, and **11.3479, 11.0867, 39.5721** is the 20% darker color. If you saturate the color by 10%, you get **23.7987, 23.0076, 75.1387**, and if you desaturate by 10%, it is **31.5545, 32.7374, 76.6079**.

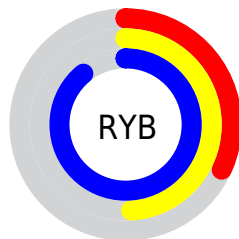
Distribution



Red (32%)

Green (57%)

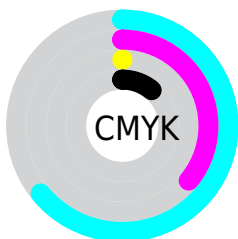
Blue (89%)



Red (32%)

Yellow (49%)

Blue (89%)

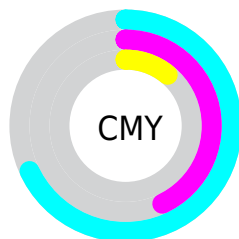


Cyan (64%)

Magenta (36%)

Yellow (0%)

Black (11%)



Cyan (68%)

Magenta (43%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2462, 27.4911, 75.8218 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 27.2462, 27.4911, 75.8218 by changing the saturation by 10% instead.

■ 27.2462, 27.4911,
75.8218

■ 27.2462, 27.4911,
75.8218

280.9931,
290.0271, 500.0681

■ 17.8958, 17.9424,
55.7806

■ 54.6958, 55.6709,
129.2328

■ 10.9744, 10.9086,
39.6242

■ 73.5256, 75.0708,
163.4396

■ 6.1168, 6.0054,
26.9341

■ 96.2460, 98.5233,
203.2054

■ 2.9576, 2.8484,
17.2918

■ 123.2223,
126.4126, 248.9488

■ 1.1314, 1.0531,
10.2786

154.8197,
159.1233, 301.0882

■ 0.0511, 0.0000,
5.4760

191.4038,

■ 0.0000, 0.0000,

197.0397, 360.0422

2.4656

233.3398,
240.5462, 426.2293

■ 0.0000, 0.0000,
0.8218

■ 0.0000, 0.0000,
0.0000

■ 27.2462, 27.4911,
75.8218

■ 27.2462, 27.4911,
75.8218

■ 23.7987, 23.0076,
75.1387

■ 31.5545, 32.7374,
76.6079

■ 21.1350, 19.2357,
74.5510

■ 36.7846, 38.7867,
77.4999

■ 19.1674, 16.1198,
74.0533

■ 42.9954, 45.6792,
78.5030

■ 18.2605, 14.5569,
73.7994

■ 50.2393, 53.4510,
79.6213

■ 58.5651, 62.1360,
80.8588

■ 68.0182, 71.7659,
82.2194

■ 78.6411, 82.3709,
83.7064

■ 87.9248, 92.6654,
85.2042

■ 90.7276, 98.2710,
86.1384

Harmonies

Analogous

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



21.6704, 27.4911, 70.7506



27.2462, 27.4911, 75.8218



33.3563, 27.4911, 65.3009

Triad

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



27.2462, 27.4911, 75.8218



36.5901, 27.4911, 14.6467



17.0392, 27.4911, 18.3071

Complementary

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



27.2462, 27.4911, 75.8218



45.7714, 42.6063, 13.5976

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.



20.0300, 27.4911, 10.4020



27.2462, 27.4911, 75.8218



31.1617, 27.4911, 8.9197

Square

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



27.2462, 27.4911, 75.8218



39.2508, 27.4911, 26.8889



25.0437, 27.4911, 7.7311



16.3164, 27.4911, 33.1989

Rectangle

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



27.2462, 27.4911, 75.8218



36.7404, 27.4911, 52.5738



25.0437, 27.4911, 7.7311



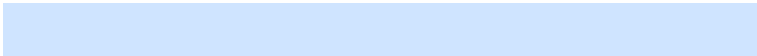
17.7878, 27.4911, 14.9534

Sweetspot

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



27.2473, 27.4920, 75.8225



71.3817, 75.8710, 105.4901



37.0020, 58.7074, 42.9861



14.6167, 15.5464, 22.4803



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



27.2473, 27.4920, 75.8225



30.0058, 28.4849, 98.5244



20.7196, 13.4644, 73.4589



13.4474, 14.2339, 17.4264



10.5316, 8.5327, 42.1403



0.8181, 0.7677, 2.9503

Inverse Universe

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



39.4183, 24.0993, 29.3628



47.9208, 26.4060, 29.4849



57.8207, 70.0089, 18.2518



13.9573, 13.8006, 15.5453



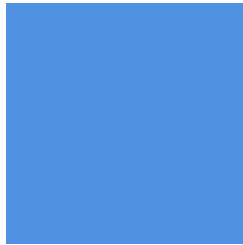
19.2561, 9.7694, 8.0141



1.3792, 0.6950, 0.7897

Previews

White Background



This preview shows how the XYZ color 27.2462, 27.4911, 75.8218 looks on a white background.

Color Contrast Check

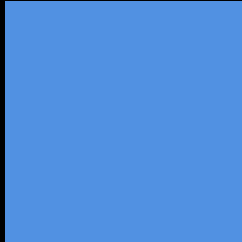
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.2462, 27.4911, 75.8218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

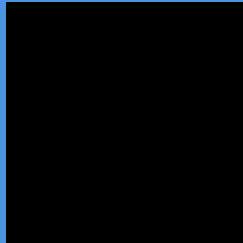
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

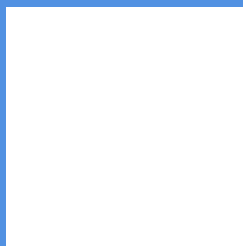
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 27.2462, 27.4911, 75.8218

Background



This preview shows how black text looks on a background with the XYZ color 27.2462, 27.4911, 75.8218.

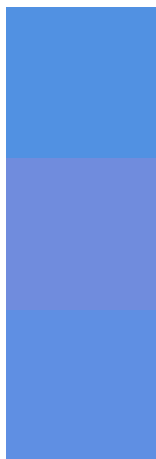


This preview shows how white text looks on a background with the XYZ color 27.2462, 27.4911,

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

27.2462, 27.4911, 75.8218

Protanopia

29.1113, 27.4214, 72.1651

Deuteranopia

28.4069, 27.6239, 76.5078



Tritanopia

20.5338, 27.6566, 41.7921

Trichromacy



Original Color

27.2462, 27.4911, 75.8218

Protanomaly

28.3591, 27.4404, 73.6139

Deuteranomaly

28.0548, 27.6662, 76.5345

Tritanomaly

22.6100, 27.4923, 52.8301

Monochromacy



Original Color

27.2462, 27.4911, 75.8218

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

23.3707, 24.9372, 40.6274

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2462, 27.4911, 75.8218 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(81, 145, 226)` looks like.

```
.text, #text, p{  
    color:rgb(81, 145, 226)  
}
```

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(81, 145, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 145, 226) }
```

Border

The CSS property to change the border of an element to XYZ 27.2462, 27.4911, 75.8218 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(81, 145, 226) }
```


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

```
.border{ border-color:rgb(81, 145, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 145, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 145, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 145, 226);  
box-shadow:4px 4px 4px 4px rgb(81, 145,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2462, 27.4911, 75.8218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 145, 226) }
```

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

```
.background{ background-color: rgb(81, 145,  
226) }
```

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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