

Converting Colors

XYZ(27.4747, 29.2909, 63.2371)

Have a look what the booklet for
XYZ(27.4747, 29.2909, 63.2371)
contains.

XYZ(27.4747, 29.2909, 63.2371)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.4747, 29.2909,
63.2371)**

Conversions

Conversions Part 1

Format	Color
Hex	6397CF
RGB	99, 151, 207
RGB Percent	39%, 59%, 81%
CMY	0.6117, 0.4078, 0.1882
CMYK	0.52, 0.27, 0.00, 0.19
HSL	211°, 53%, 60%
HSV	211°, 52%, 81%
XYZ	27.4747, 29.2909, 63.2371
YIQ	141.8360, -48.9680, 6.3920

Conversions

Conversions Part 2

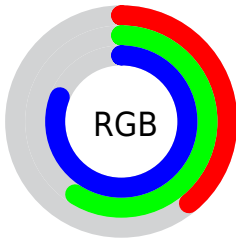
Format	Color
R _Y B	99, 134, 207
Decimal	6526927
CIE Lab	61.04, -1.46, -34.04
CIE LCh	61, 34.074, 267.546
Yxy	29.2909, 0.2290, 0.2441
Android (android.graphics.Color)	4284717007 (0xFF6397CF)
YUV	141.8360, 32.1259, -37.5672
Hunter-Lab	54.1211, -4.0959, -31.3919

Details

The XYZ color **27.4747, 29.2909, 63.2371** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **39.7067, 37.6103, 16.9724**, and the grayscale version is **25.5383, 26.8683, 29.2596**.

A 20% lighter version of the original color is **53.5916, 57.9506, 102.9687**, and **11.0240, 11.7934, 31.4011** is the 20% darker color. If you saturate the color by 10%, you get **23.8469, 24.9725, 62.5953**, and if you desaturate by 10%, it is **31.8413, 34.2248, 63.9598**.

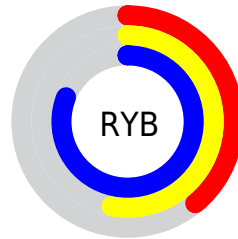
Distribution



Red (39%)

Green (59%)

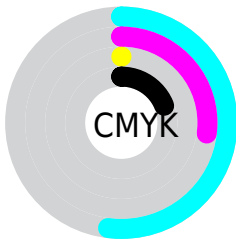
Blue (81%)



Red (39%)

Yellow (53%)

Blue (81%)

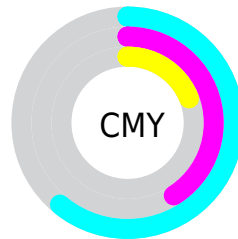


Cyan (52%)

Magenta (27%)

Yellow (0%)

Black (19%)



Cyan (61%)

Magenta (41%)

Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.4747, 29.2909, 63.2371 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 27.4747, 29.2909, 63.2371 by changing the saturation by 10% instead.

■ 27.4747, 29.2909,
63.2371

■ 27.4747, 29.2909,
63.2371

282.0741,
298.5850, 454.5611

■ 18.0685, 19.3010,
45.5908

■ 55.0592, 58.5390,
111.1004

■ 11.0992, 11.8880,
31.5767

■ 73.9682, 78.5659,
142.1545

■ 6.2013, 6.6674,
20.7763

■ 96.7755, 102.7073,
178.5149

■ 3.0097, 3.2550,
12.7709

■ 123.8465,
131.3475, 220.6002

■ 1.1589, 1.2663,
7.1421

155.5465,
164.8710, 268.8289

■ 0.0735, 0.1149,
3.4713

192.2408,

■ 0.0000, 0.0000,

203.6622, 323.6196

1.3401

234.2949,
248.1054, 385.3908

■ 0.0000, 0.0000,
0.0943

■ 0.0000, 0.0000,
0.0000

■ 27.4747, 29.2909,
63.2371

■ 27.4747, 29.2909,
63.2371

■ 23.8469, 24.9725,
62.5953

■ 31.8413, 34.2248,
63.9598

■ 20.9056, 21.2347,
62.0289

■ 36.9882, 39.7998,
64.7647

■ 18.5954, 18.0431,
61.5346

■ 42.9571, 46.0438,
65.6553

■ 16.8496, 15.3566,
61.1081

■ 49.7857, 52.9817,
66.6345

■ 15.7878, 13.5554,
60.8164

■ 57.5092, 60.6371,
67.7051

■ 66.1607, 69.0323,
68.8695

■ 75.7717, 78.1885,
70.1303

■ 82.7493, 86.2584,
71.3202

■ 85.9483, 92.6565,
72.3866

Harmonies

Analogous

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



23.4896, 29.2909, 57.4110



27.4747, 29.2909, 63.2371



31.9946, 29.2909, 58.9806

Triad

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



27.4747, 29.2909, 63.2371



36.1513, 29.2909, 21.8353



21.2164, 29.2909, 20.4514

Complementary

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



27.4747, 29.2909, 63.2371



39.7067, 37.6103, 16.9724

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.



24.0618, 29.2909, 14.7050



27.4747, 29.2909, 63.2371



32.6971, 29.2909, 15.3413

Square

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



27.4747, 29.2909, 63.2371



37.3104, 29.2909, 32.9556



28.2088, 29.2909, 13.1186



20.1255, 29.2909, 30.8532

Rectangle

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



27.4747, 29.2909, 63.2371



34.6543, 29.2909, 51.4952



28.2088, 29.2909, 13.1186



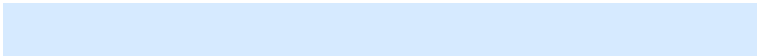
21.9835, 29.2909, 18.0283

Sweetspot

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



27.4757, 29.2920, 63.2378



75.2184, 80.3032, 106.1434



33.3590, 49.6389, 38.7467



15.6123, 16.6927, 22.6491



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.



27.4757, 29.2920, 63.2378



37.3974, 39.0089, 100.1662



21.0699, 16.1851, 61.0456



11.6266, 12.3435, 15.0134



10.0407, 8.7280, 38.3480



0.6407, 0.6465, 2.1706

Inverse Universe

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



35.7808, 24.4246, 32.1077



52.6914, 32.2948, 42.3347



49.7977, 58.5347, 20.4794



12.0424, 11.9017, 13.4993



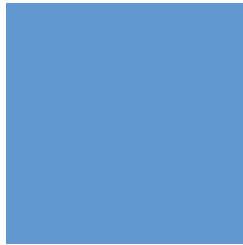
17.6988, 8.9524, 8.5861



1.0296, 0.5166, 0.6908

Previews

White Background



This preview shows how the XYZ color 27.4747, 29.2909, 63.2371 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 27.4747, 29.2909, 63.2371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

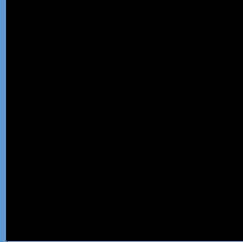
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.4747, 29.2909, 63.2371

Background



This preview shows how black text looks on a background with the XYZ color 27.4747, 29.2909, 63.2371.

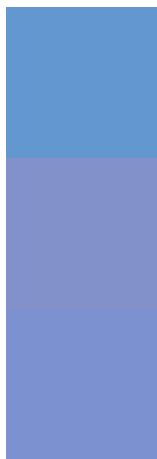


This preview shows how white text looks on a background with the XYZ color 27.4747, 29.2909,

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

27.4747, 29.2909, 63.2371

Protanopia

29.9920, 29.2609, 59.9443

Deuteranopia

29.8227, 29.0900, 63.7176



Tritanopia

23.4153, 29.3724, 42.9634

Trichromacy



Original Color

27.4747, 29.2909, 63.2371

Protanomaly

28.9406, 29.1490, 61.2277

Deuteranomaly

28.8891, 29.0663, 63.7623

Tritanomaly

24.6875, 29.1275, 49.6684

Monochromacy



Original Color

27.4747, 29.2909, 63.2371

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

25.6125, 27.4396, 40.0228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.4747, 29.2909, 63.2371 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(99, 151, 207)` looks like.

```
.text, #text, p{  
    color:rgb(99, 151, 207)  
}
```

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(99, 151, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 151, 207) }
```

Border

The CSS property to change the border of an element to XYZ 27.4747, 29.2909, 63.2371 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(99, 151, 207) }
```


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

```
.border{ border-color:rgb(99, 151, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 151, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 151, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 151, 207);  
box-shadow:4px 4px 4px 4px rgb(99, 151,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 27.4747, 29.2909, 63.2371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 151, 207) }
```

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

```
.background{ background-color: rgb(99, 151,  
207) }
```

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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