

Converting Colors

XYZ(27.9332, 26.5623, 63.9764)

Have a look what the booklet for
XYZ(27.9332, 26.5623, 63.9764)
contains.

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Color

**XYZ(27.9332, 26.5623,
63.9764)**

Conversions

Conversions Part 1

Format	Color
Hex	758AD1
RGB	117, 138, 209
RGB Percent	46%, 54%, 82%
CMY	0.5412, 0.4588, 0.1804
CMYK	0.44, 0.34, 0.00, 0.18
HSL	226°, 50%, 64%
HSV	226°, 44%, 82%
XYZ	27.9332, 26.5623, 63.9764
YIQ	139.8150, -35.3070, 17.6290

Conversions

Conversions Part 2

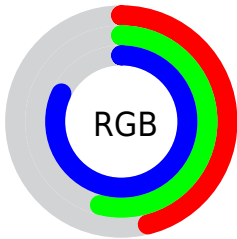
Format	Color
R _Y B	117, 134, 209
Decimal	7703249
CIE Lab	58.57, 11.02, -38.95
CIE LCh	59, 40.478, 285.796
Yxy	26.5623, 0.2358, 0.2242
Android (android.graphics.Color)	4285893329 (0xFF758AD1)
YUV	139.8150, 34.1082, -20.0088
Hunter-Lab	51.5386, 6.5519, -37.5214

Details

The XYZ color **27.9332, 26.5623, 63.9764** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **47.4896, 50.8074, 24.1347**, and the grayscale version is **24.7380, 26.0263, 28.3427**.

A 20% lighter version of the original color is **53.9144, 53.3658, 102.0668**, and **11.3091, 10.3367, 31.9710** is the 20% darker color. If you saturate the color by 10%, you get **23.2874, 20.9837, 63.1450**, and if you desaturate by 10%, it is **33.5515, 33.1533, 64.9530**.

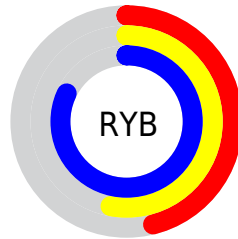
Distribution



Red (46%)

Green (54%)

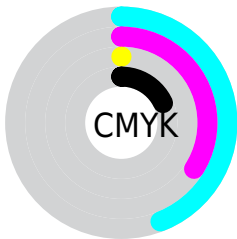
Blue (82%)



Red (46%)

Yellow (53%)

Blue (82%)

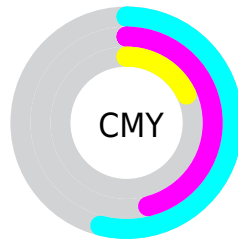


Cyan (44%)

Magenta (34%)

Yellow (0%)

Black (18%)



Cyan (54%)

Magenta (46%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9332, 26.5623, 63.9764 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 27.9332, 26.5623, 63.9764 by changing the saturation by 10% instead.

■ 27.9332, 26.5623,
63.9764

■ 27.9332, 26.5623,
63.9764

284.2335,
285.5316, 457.3095

■ 18.4155, 17.2448,
46.1855

■ 55.7872, 54.1807,
112.1761

■ 11.3502, 10.4092,
32.0425

■ 74.8541, 73.2504,
143.4220

■ 6.3719, 5.6711,
21.1289

■ 97.8349, 96.3395,
179.9899

■ 3.1153, 2.6461,
13.0261

125.0949,
123.8326, 222.2984

■ 1.2150, 0.9499,
7.3156

156.9994,
156.1139, 270.7661

■ 0.1182, 0.0000,
3.5788

193.9137,

■ 0.0000, 0.0000,

193.5679, 325.8115

1.3972

236.2033,
236.5790, 387.8531

■ 0.0000, 0.0000,
0.1396

■ 0.0000, 0.0000,
0.0000

■ 27.9332, 26.5623,
63.9764

■ 27.9332, 26.5623,
63.9764

■ 23.2874, 20.9837,
63.1450

■ 33.5515, 33.1533,
64.9530

■ 19.5539, 16.3627,
62.4498

■ 40.1918, 40.8020,
66.0793

■ 16.6700, 12.6435,
61.8839

■ 47.9037, 49.5542,
67.3622

■ 14.5634, 9.7624,
61.4389

■ 56.7328, 59.4521,
68.8074

■ 13.1482, 7.6467,
61.1051

■ 66.7217, 70.5357,
70.4203

■ 12.5536, 6.6933,
60.9524

■ 77.9110, 82.8432,
72.2061

■ 87.2177, 94.8014,
74.0237

■ 88.5087, 97.3835,
74.4541

Harmonies

Analogous

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



22.9776, 26.5623, 64.3103



27.9332, 26.5623, 63.9764



32.7205, 26.5623, 52.4556

Triad

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



27.9332, 26.5623, 63.9764



32.4983, 26.5623, 13.4261



17.0826, 26.5623, 22.7230

Complementary

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



27.9332, 26.5623, 63.9764



47.4896, 50.8074, 24.1347

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.



19.0075, 26.5623, 13.7503



27.9332, 26.5623, 63.9764



27.6604, 26.5623, 9.6997

Square

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



27.9332, 26.5623, 63.9764



35.5824, 26.5623, 22.1048



22.7382, 26.5623, 9.7948



17.1355, 26.5623, 37.0135

Rectangle

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



27.9332, 26.5623, 63.9764



34.9844, 26.5623, 41.6300



22.7382, 26.5623, 9.7948



17.5076, 26.5623, 19.1052

Sweetspot

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



27.9342, 26.5633, 63.9770



76.2630, 78.9953, 105.8359



39.1643, 52.9943, 55.4792



15.7062, 16.2120, 22.5514



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.



27.9342, 26.5633, 63.9770



36.7930, 33.2385, 99.0842



28.9464, 23.0368, 63.2430



11.3795, 11.8493, 14.9310



7.8023, 4.2512, 37.6018



0.4978, 0.3609, 2.1230

Inverse Universe

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



37.2441, 28.1140, 27.5092



53.4999, 36.8815, 33.4488



45.8913, 57.1340, 25.4401



11.9177, 11.8518, 12.8424



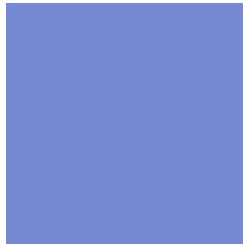
16.5690, 8.5004, 2.6364



0.9575, 0.4877, 0.3111

Previews

White Background



This preview shows how the XYZ color 27.9332, 26.5623, 63.9764 looks on a white background.

Color Contrast Check

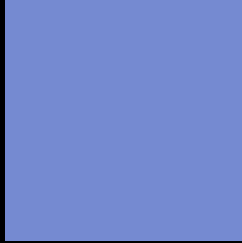
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9332, 26.5623, 63.9764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

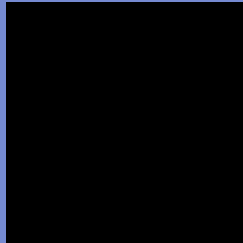
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.9332, 26.5623, 63.9764

Background



This preview shows how black text looks on a background with the XYZ color 27.9332, 26.5623, 63.9764.



This preview shows how white text looks on a background with the XYZ color 27.9332, 26.5623,

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

27.9332, 26.5623, 63.9764

Protanopia

27.7996, 26.4934, 63.9701

Deuteranopia

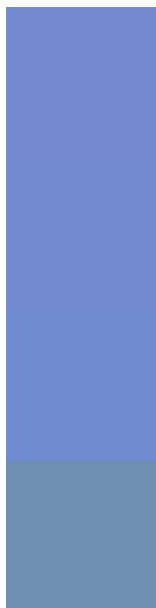
27.3171, 26.6746, 64.0305



Tritanopia

22.6440, 26.6609, 37.2103

Trichromacy



Original Color

27.9332, 26.5623, 63.9764

Protanomaly

27.7996, 26.4934, 63.9701

Deuteranomaly

27.5513, 26.5794, 63.9998

Tritanomaly

24.3158, 26.4121, 45.9359

Monochromacy



Original Color

27.9332, 26.5623, 63.9764

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

25.5399, 26.0874, 39.2866

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9332, 26.5623, 63.9764 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(117, 138, 209)` looks like.

```
.text, #text, p{  
    color:rgb(117, 138, 209)  
}
```

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(117, 138, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 138, 209) }
```

Border

The CSS property to change the border of an element to XYZ 27.9332, 26.5623, 63.9764 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(117, 138, 209) }
```


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

```
.border{ border-color:rgb(117, 138, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 138, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 138, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 138, 209);  
box-shadow:4px 4px 4px 4px rgb(117, 138,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9332, 26.5623, 63.9764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 138, 209) }
```

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

```
.background{ background-color: rgb(117,  
138, 209) }
```

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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