

Converting Colors

XYZ(27.1591, 26.4747, 69.3277)

Have a look what the booklet for
XYZ(27.1591, 26.4747, 69.3277)
contains.

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Color

**XYZ(27.1580, 26.4752,
69.3245)**

Conversions

Conversions Part 1

Format	Color
Hex	648CD9
RGB	100, 140, 217
RGB Percent	39%, 55%, 85%
CMY	0.6078, 0.4510, 0.1490
CMYK	0.54, 0.35, 0.00, 0.15
HSL	219°, 61%, 62%
HSV	219°, 54%, 85%
XYZ	27.1580, 26.4752, 69.3245
YIQ	136.8180, -48.5570, 15.4670

Conversions

Conversions Part 2

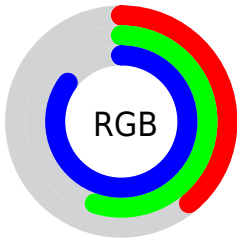
Format	Color
RYB	100, 130, 217
Decimal	6589657
CIELab	58.49, 8.27, -43.63
CIELCh	58, 44.410, 280.727
Yxy	26.4752, 0.2209, 0.2153
Android (android.graphics.Color)	4284779737 (0xFF648CD9)
YUV	136.8180, 39.5297, -32.2894
Hunter-Lab	51.4541, 4.1696, -43.8641

Details

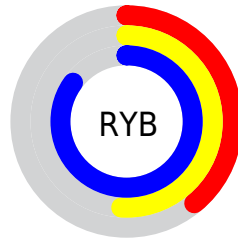
The XYZ color **27.1580, 26.4752, 69.3245** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **46.6392, 47.1183, 18.6947**, and the grayscale version is **23.5788, 24.8068, 27.0146**.

A 20% lighter version of the original color is **51.0246, 52.5280, 102.0574**, and **10.9407, 10.3143, 35.5966** is the 20% darker color. If you saturate the color by 10%, you get **23.1166, 21.4926, 68.5763**, and if you desaturate by 10%, it is **32.1114, 32.3308, 70.1942**.

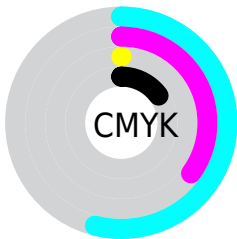
Distribution



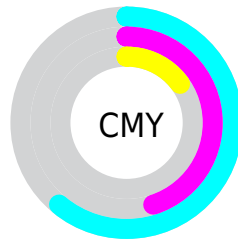
- Red (39%)
- Green (55%)
- Blue (85%)



- Red (39%)
- Yellow (51%)
- Blue (85%)



- Cyan (54%)
- Magenta (35%)
- Yellow (0%)
- Black (15%)



- Cyan (61%)
- Magenta (45%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.1580, 26.4752, 69.3245 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 27.1580, 26.4752, 69.3245 by changing the saturation by 10% instead.

■ 27.1580, 26.4752,
69.3245

■ 27.1580, 26.4752,
69.3245

280.5749,
285.1071, 476.8995

■ 17.8291, 17.1795,
50.5026

■ 54.5554, 54.0406,
119.9170

■ 10.9263, 10.3625,
35.4390

■ 73.3546, 73.0790,
152.5247

■ 6.0842, 5.6400,
23.7150

■ 96.0414, 96.1338,
190.5648

■ 2.9375, 2.6274,
14.9121

■ 122.9810,
123.5894, 234.4558

■ 1.1208, 0.9405,
8.6118

154.5387,
155.8301, 284.6162

■ 0.0424, 0.0000,
4.3955

191.0801,

■ 0.0000, 0.0000,

193.2403, 341.4646

1.8447

232.9704,
236.2045, 405.4195

■ 0.0000, 0.0000,
0.4572

■ 0.0000, 0.0000,
0.0000

■ 27.1580, 26.4752,
69.3245

■ 27.1580, 26.4752,
69.3245

■ 23.1166, 21.4926,
68.5763

■ 32.1114, 32.3308,
70.1942

■ 19.9218, 17.3329,
67.9418

■ 38.0298, 39.1001,
71.1889

■ 17.5036, 13.9438,
67.4151

■ 44.9655, 46.8243,
72.3142

■ 15.7772, 11.2643,
66.9889

■ 52.9661, 55.5411,
73.5751

■ 14.9856, 9.9319,
66.7734

■ 62.0758, 65.2858,
74.9759

■ 72.3365, 76.0923,
76.5209

■ 83.7878, 87.9924,
78.2143

■ 89.2874, 97.3156,
79.7240

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



21.8722, 26.4752, 67.2747



27.1580, 26.4752, 69.3245



32.6104, 26.4752, 57.9486

Triad

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



27.1580, 26.4752, 69.3245



33.9358, 26.4752, 13.3860



16.5378, 26.4752, 20.0398

Complementary

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



27.1580, 26.4752, 69.3245



46.6392, 47.1183, 18.6947

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.



18.9471, 26.4752, 11.5839



27.1580, 26.4752, 69.3245



28.7703, 26.4752, 8.8094

Square

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



27.1580, 26.4752, 69.3245



36.8812, 26.4752, 23.6111



23.2699, 26.4752, 8.2964



16.2353, 26.4752, 34.7594

Rectangle

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



27.1580, 26.4752, 69.3245



35.4160, 26.4752, 46.0621



23.2699, 26.4752, 8.2964



17.1099, 26.4752, 16.5372

Sweetspot

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



27.1590, 26.4761, 69.3252



73.6241, 77.1145, 105.6119



37.9109, 55.4725, 49.8107



15.2339, 15.9359, 22.5230



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.



27.1590, 26.4761, 69.3252



32.4594, 29.8873, 98.6658



24.4932, 17.9457, 67.8191



12.7008, 13.3413, 16.5579



9.1599, 6.1893, 40.4503



0.6719, 0.5580, 2.6467

Inverse Universe

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



37.9070, 25.7608, 27.7860



50.0148, 30.5191, 30.4134



50.7868, 62.7503, 21.4934



13.2388, 13.1246, 14.5189



18.1188, 9.2486, 5.0058



1.2134, 0.6150, 0.5330

Previews

White Background



This preview shows how the XYZ color 27.1580, 26.4752, 69.3245 looks on a white background.

Color Contrast Check

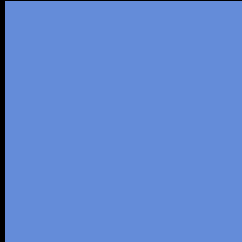
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1580, 26.4752, 69.3245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

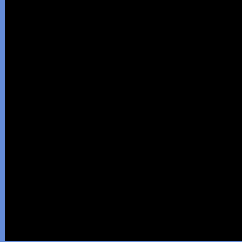
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.1580, 26.4752, 69.3245

Background



This preview shows how black text looks on a background with the XYZ color 27.1580, 26.4752, 69.3245.

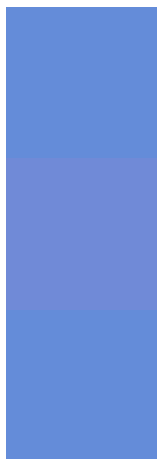


This preview shows how white text looks on a background with the XYZ color 27.1580, 26.4752,

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

27.1580, 26.4752, 69.3245

Protanopia

28.0363, 26.5280, 67.9327

Deuteranopia

27.1580, 26.4752, 69.3245



Tritanopia

21.0708, 26.5269, 38.6600

Trichromacy



Original Color

27.1580, 26.4752, 69.3245

Protanomaly

27.8116, 26.6113, 68.6364

Deuteranomaly

27.1580, 26.4752, 69.3245

Tritanomaly

23.0055, 26.3610, 48.6754

Monochromacy



Original Color

27.1580, 26.4752, 69.3245

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

24.2836, 25.2152, 39.6635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.1580, 26.4752, 69.3245 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(100, 140, 217)` looks like.

```
.text, #text, p{  
    color:rgb(100, 140, 217)  
}
```

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(100, 140, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 140, 217) }
```

Border

The CSS property to change the border of an element to XYZ 27.1580, 26.4752, 69.3245 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(100, 140, 217) }
```


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

```
.border{ border-color:rgb(100, 140, 217) }
```

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

Here you see how a box with a 4 pixel rgb(100, 140, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 140, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 140, 217);  
box-shadow:4px 4px 4px 4px rgb(100, 140,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 27.1580, 26.4752, 69.3245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 140, 217) }
```

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

```
.background{ background-color: rgb(100,  
140, 217) }
```

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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