

Converting Colors

XYZ(27.9225, 23.5490, 81.6710)

Have a look what the booklet for
XYZ(27.9225, 23.5490, 81.6710)
contains.

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Color

**XYZ(27.9225, 23.5490,
81.6710)**

Conversions

Conversions Part 1

Format	Color
Hex	677DEB
RGB	103, 125, 235
RGB Percent	40%, 49%, 92%
CMY	0.5961, 0.5098, 0.0784
CMYK	0.56, 0.47, 0.00, 0.08
HSL	230°, 77%, 66%
HSV	230°, 56%, 92%
XYZ	27.9225, 23.5490, 81.6710
YIQ	130.9620, -48.4220, 29.5460

Conversions

Conversions Part 2

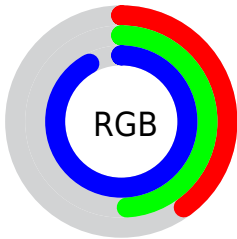
Format	Color
R _Y B	103, 122, 235
Decimal	6782443
CIE Lab	55.63, 23.62, -58.21
CIE LCh	56, 62.822, 292.086
Yxy	23.5490, 0.2097, 0.1769
Android (android.graphics.Color)	4284972523 (0xFF677DEB)
YUV	130.9620, 51.2907, -24.5227
Hunter-Lab	48.5273, 17.7857, -65.8154

Details

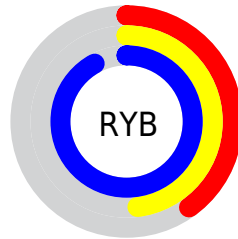
The XYZ color **27.9225, 23.5490, 81.6710** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **60.5051, 66.2327, 22.4287**, and the grayscale version is **21.3960, 22.5103, 24.5137**.

A 20% lighter version of the original color is **48.6724, 46.3457, 100.9880**, and **11.3170, 8.8454, 43.2304** is the 20% darker color. If you saturate the color by 10%, you get **23.3564, 17.8707, 80.8161**, and if you desaturate by 10%, it is **33.7367, 30.5968, 82.7254**.

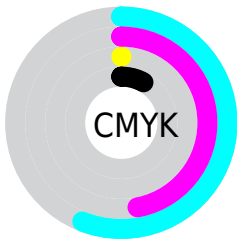
Distribution



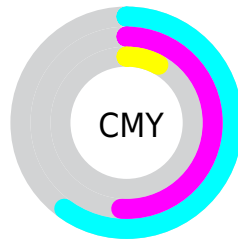
- Red (40%)
- Green (49%)
- Blue (92%)



- Red (40%)
- Yellow (48%)
- Blue (92%)



- Cyan (56%)
- Magenta (47%)
- Yellow (0%)
- Black (8%)



- Cyan (60%)
- Magenta (51%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.9225, 23.5490, 81.6710 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 27.9225, 23.5490, 81.6710 by changing the saturation by 10% instead.

■ 27.9225, 23.5490,
81.6710

■ 27.9225, 23.5490,
81.6710

284.1832,
270.5324, 520.4011

■ 18.4074, 14.9994,
60.5602

■ 55.7702, 49.2932,
137.5451

■ 11.3443, 8.8190,
43.4420

■ 74.8335, 67.2566,
173.1454

■ 6.3679, 4.6233,
29.8981

■ 97.8103, 89.1268,
214.4126

■ 3.1128, 2.0280,
19.5099

125.0658,
115.2881, 261.7652

■ 1.2137, 0.6237,
11.8588

156.9655,
146.1249, 315.6219

■ 0.1172, 0.0000,
6.5262

193.8748,

■ 0.0000, 0.0000,

182.0216, 376.4010

3.0937

236.1589,
223.3626, 444.5212

■ 0.0000, 0.0000,
1.1427

■ 0.0000, 0.0000,
0.0000

■ 27.9225, 23.5490,
81.6710

■ 27.9225, 23.5490,
81.6710

■ 23.3564, 17.8707,
80.8161

■ 33.7367, 30.5968,
82.7254

■ 19.9412, 13.4682,
80.1464

■ 40.8801, 39.0945,
83.9892

■ 17.5698, 10.2391,
79.6481

■ 49.4306, 49.1189,
85.4734

■ 16.1114, 8.0627,
79.3049

■ 59.4588, 60.7409,
87.1881

■ 15.7263, 7.4598,
79.2088

■ 71.0309, 74.0264,
89.1426

■ 84.2087, 89.0381,
91.3456

■ 91.9955, 98.7782,
92.8152

Harmonies

Analogous

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



20.5537, 23.5490, 87.1999



27.9225, 23.5490, 81.6710



34.9839, 23.5490, 57.9819

Triad

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



27.9225, 23.5490, 81.6710



31.8711, 23.5490, 5.5026



11.3944, 23.5490, 20.6219

Complementary

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



27.9225, 23.5490, 81.6710



60.5051, 66.2327, 22.4287

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.



13.2417, 23.5490, 8.3298



27.9225, 23.5490, 81.6710



24.3170, 23.5490, 3.1323

Square

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



27.9225, 23.5490, 81.6710



37.5791, 23.5490, 13.5635



17.6287, 23.5490, 3.7885



11.9597, 23.5490, 43.3455

Rectangle

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



27.9225, 23.5490, 81.6710



38.0616, 23.5490, 39.6575



17.6287, 23.5490, 3.7885



11.7372, 23.5490, 15.3904

Sweetspot

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



27.9235, 23.5498, 81.6716



70.3992, 71.7623, 104.7488



47.3132, 67.1051, 73.4107



14.5227, 14.7297, 22.3276



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.



27.9235, 23.5498, 81.6716



27.5825, 20.8375, 97.1760



31.8797, 21.9033, 81.1453



14.4340, 14.9545, 19.0480



8.8142, 4.2754, 44.1036



0.7522, 0.4558, 3.4832

Inverse Universe

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



42.8138, 28.8447, 22.7136



47.3813, 28.8077, 18.5742



53.6435, 71.4731, 23.8019



15.1679, 15.0950, 16.1693



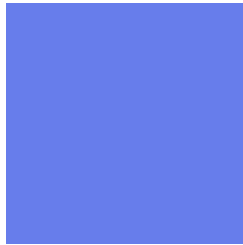
19.3043, 9.9244, 2.1379



1.5462, 0.7914, 0.3275

Previews

White Background



This preview shows how the XYZ color 27.9225, 23.5490, 81.6710 looks on a white background.

Color Contrast Check

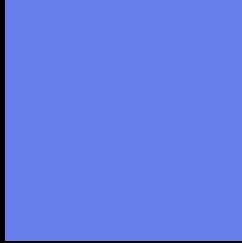
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9225, 23.5490, 81.6710 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 27.9225, 23.5490, 81.6710

Background



This preview shows how black text looks on a background with the XYZ color 27.9225, 23.5490, 81.6710.



This preview shows how white text looks on a background with the XYZ color 27.9225, 23.5490,

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

27.9225, 23.5490, 81.6710

Protanopia

26.7385, 23.6380, 84.8147

Deuteranopia

24.5909, 23.8395, 80.3962



Tritanopia

18.4113, 23.3892, 34.5545

Trichromacy



Original Color

27.9225, 23.5490, 81.6710

Protanomaly

27.1763, 23.6861, 84.0284

Deuteranomaly

25.3515, 23.4021, 81.0228

Tritanomaly

21.0232, 22.9080, 48.6610

Monochromacy



Original Color

27.9225, 23.5490, 81.6710

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

22.8968, 22.6300, 40.6974

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.9225, 23.5490, 81.6710 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(103, 125, 235)` looks like.

```
.text, #text, p{  
    color:rgb(103, 125, 235)  
}
```

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(103, 125, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 125, 235) }
```

Border

The CSS property to change the border of an element to XYZ 27.9225, 23.5490, 81.6710 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(103, 125, 235) }
```


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

```
.border{ border-color:rgb(103, 125, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 125, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 125, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 125, 235);  
box-shadow:4px 4px 4px 4px rgb(103, 125,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 27.9225, 23.5490, 81.6710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 125, 235) }
```

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

```
.background{ background-color: rgb(103,  
125, 235) }
```

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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