

Converting Colors

XYZ(29.0750, 23.0701, 86.1405)

Have a look what the booklet for
XYZ(29.0750, 23.0701, 86.1405)
contains.

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Color

**XYZ(29.1492, 23.1633,
86.1537)**

Conversions

Conversions Part 1

Format	Color
Hex	6F78F1
RGB	111, 120, 241
RGB Percent	44%, 47%, 95%
CMY	0.5647, 0.5294, 0.0549
CMYK	0.54, 0.50, 0.00, 0.05
HSL	236°, 82%, 69%
HSV	236°, 54%, 95%
XYZ	29.1492, 23.1633, 86.1537
YIQ	131.1030, -44.2050, 35.7230

Conversions

Conversions Part 2

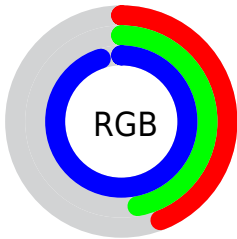
Format	Color
R _Y B	111, 119, 241
Decimal	7305457
CIE Lab	55.24, 30.11, -62.16
CIE LCh	55, 69.067, 295.849
Yxy	23.1633, 0.2105, 0.1673
Android (android.graphics.Color)	4285495537 (0xFF6F78F1)
YUV	131.1030, 54.1792, -17.6303
Hunter-Lab	48.1283, 23.8852, -72.4444

Details

The XYZ color **29.1492, 23.1633, 86.1537** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **68.0037, 77.5653, 26.4282**, and the grayscale version is **21.4351, 22.5514, 24.5584**.

A 20% lighter version of the original color is **49.5971, 45.3830, 100.7535**, and **12.0513, 8.6533, 46.3825** is the 20% darker color. If you saturate the color by 10%, you get **24.1264, 17.0275, 85.2346**, and if you desaturate by 10%, it is **35.6237, 30.9859, 87.3229**.

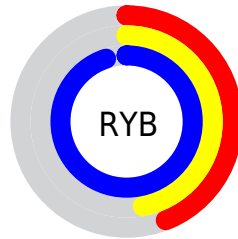
Distribution



Red (44%)

Green (47%)

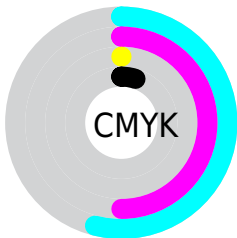
Blue (95%)



Red (44%)

Yellow (47%)

Blue (95%)

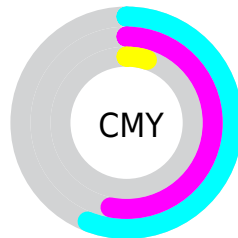


Cyan (54%)

Magenta (50%)

Yellow (0%)

Black (5%)



Cyan (56%)

Magenta (53%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1492, 23.1633, 86.1537 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 29.1492, 23.1633, 86.1537 by changing the saturation by 10% instead.

■ 29.1492, 23.1633,
86.1537

■ 29.1492, 23.1633,
86.1537

289.8998,
268.5626, 535.6817

■ 19.3386, 14.7141,
64.2395

■ 57.7100, 48.6613,
143.8724

■ 12.0206, 8.6190,
46.3972

■ 77.1908, 66.4790,
180.5139

■ 6.8300, 4.4935,
32.2085

■ 100.6258, 88.1882,
222.9016

■ 3.4014, 1.9533,
21.2546

128.3802,
114.1735, 271.4541

■ 1.3694, 0.5801,
13.1172

160.8195,
144.8192, 326.5897

■ 0.2343, 0.0000,
7.3776

198.3089,

■ 0.0000, 0.0000,

180.5097, 388.7272

3.6174

241.2139,
221.6294, 458.2850

■ 0.0000, 0.0000,
1.4179

■ 0.0000, 0.0000,
0.1556

■ 29.1492, 23.1633,
86.1537

■ 29.1492, 23.1633,
86.1537

■ 24.1264, 17.0275,
85.2346

■ 35.6237, 30.9859,
87.3229

■ 20.4401, 12.4519,
84.5457

■ 43.6473, 40.6050,
88.7567

■ 17.9625, 9.2958,
84.0671

■ 53.3125, 52.1233,
90.4705

■ 16.5391, 7.3915,
83.7746

■ 64.7034, 65.6355,
92.4783

■ 16.0727, 6.7418,
83.6738

■ 77.8988, 81.2297,
94.7928

■ 92.7486, 98.8735,
97.4157

■ 92.8773, 99.1309,
97.4586

Harmonies

Analogous

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



20.9582, 23.1633, 95.9024



29.1492, 23.1633, 86.1537



36.7405, 23.1633, 57.4373

Triad

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



29.1492, 23.1633, 86.1537



31.4529, 23.1633, 3.8546



10.2746, 23.1633, 22.2652

Complementary

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



29.1492, 23.1633, 86.1537



68.0037, 77.5653, 26.4282

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.



11.8684, 23.1633, 8.0830



29.1492, 23.1633, 86.1537



23.1088, 23.1633, 2.1362

Square

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



29.1492, 23.1633, 86.1537



38.2741, 23.1633, 10.8470



16.1533, 23.1633, 3.0397



11.1703, 23.1633, 48.6908

Rectangle

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



29.1492, 23.1633, 86.1537



39.7911, 23.1633, 37.1174



16.1533, 23.1633, 3.0397



10.5244, 23.1633, 16.1840

Sweetspot

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



29.1502, 23.1640, 86.1543



70.6588, 71.1839, 104.6235



52.3183, 72.0135, 86.1290



14.5352, 14.5384, 22.2901



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.



29.1502, 23.1640, 86.1543



26.8203, 18.6091, 96.7861



37.1150, 25.7388, 86.2315



14.9851, 15.4043, 19.9051



8.7500, 3.7243, 45.3856



0.7584, 0.3708, 3.7858

Inverse Universe

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



45.3512, 31.4273, 21.4454



47.1684, 29.3805, 15.4247



54.7786, 74.6030, 26.5535



15.8172, 15.7766, 16.5934



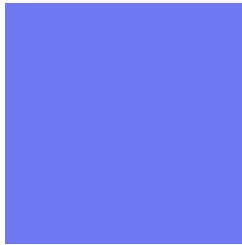
19.7422, 10.1693, 1.2932



1.6577, 0.8521, 0.1886

Previews

White Background



This preview shows how the XYZ color 29.1492, 23.1633, 86.1537 looks on a white background.

Color Contrast Check

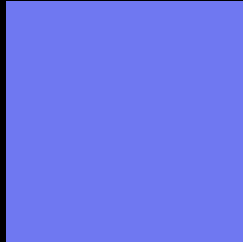
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1492, 23.1633, 86.1537 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

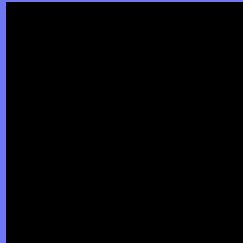
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 29.1492, 23.1633, 86.1537

Background



This preview shows how black text looks on a background with the XYZ color 29.1492, 23.1633, 86.1537.



This preview shows how white text looks on a background with the XYZ color 29.1492, 23.1633,

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

29.1492, 23.1633, 86.1537

Protanopia

27.0648, 23.4361, 92.7197

Deuteranopia

24.1237, 23.3088, 84.1165



Tritanopia

18.5829, 23.0551, 33.6077

Trichromacy



Original Color

29.1492, 23.1633, 86.1537

Protanomaly

27.4478, 23.1149, 90.2037

Deuteranomaly

24.6969, 22.5855, 84.7191

Tritanomaly

21.4589, 22.5020, 49.1113

Monochromacy



Original Color

29.1492, 23.1633, 86.1537

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.2522, 22.4041, 41.6270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1492, 23.1633, 86.1537 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(111, 120, 241)` looks like.

```
.text, #text, p{  
    color:rgb(111, 120, 241)  
}
```

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(111, 120, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 120, 241) }
```

Border

The CSS property to change the border of an element to XYZ 29.1492, 23.1633, 86.1537 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(111, 120, 241) }
```


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

```
.border{ border-color:rgb(111, 120, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 120, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 120, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 120, 241);  
box-shadow:4px 4px 4px 4px rgb(111, 120,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1492, 23.1633, 86.1537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 120, 241) }
```

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

```
.background{ background-color: rgb(111,  
120, 241) }
```

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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