

Converting Colors

XYZ(30.2163, 27.4658, 86.1469)

Have a look what the booklet for XYZ(30.2163, 27.4658, 86.1469) contains.

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Color

**XYZ(30.2163, 27.4658,
86.1469)**

Conversions

Conversions Part 1

Format	Color
Hex	648BF0
RGB	100, 139, 240
RGB Percent	39%, 55%, 94%
CMY	0.6078, 0.4549, 0.0588
CMYK	0.58, 0.42, 0.00, 0.06
HSL	223°, 82%, 67%
HSV	223°, 58%, 94%
XYZ	30.2163, 27.4658, 86.1469
YIQ	138.8530, -55.6650, 23.1430

Conversions

Conversions Part 2

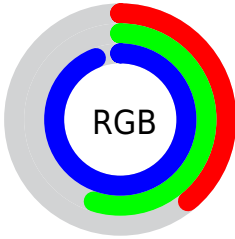
Format	Color
R _Y B	100, 131, 240
Decimal	6589424
CIE Lab	59.40, 16.24, -54.97
CIE LCh	59, 57.321, 286.454
Yxy	27.4658, 0.2101, 0.1910
Android (android.graphics.Color)	4284779504 (0xFF648BF0)
YUV	138.8530, 49.8655, -34.0741
Hunter-Lab	52.4078, 11.2024, -60.7742

Details

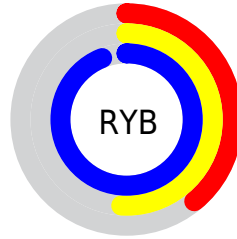
The XYZ color **30.2163, 27.4658, 86.1469** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **59.1241, 61.2219, 20.7592**, and the grayscale version is **24.3150, 25.5813, 27.8580**.

A 20% lighter version of the original color is **51.3968, 52.3929, 102.0117**, and **12.6043, 10.9379, 46.2467** is the 20% darker color. If you saturate the color by 10%, you get **25.6304, 21.6703, 85.2705**, and if you desaturate by 10%, it is **35.9831, 34.4602, 87.1936**.

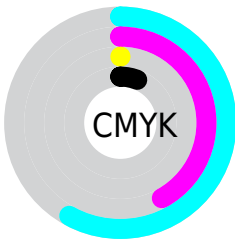
Distribution



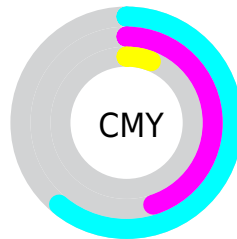
- Red (39%)
- Green (55%)
- Blue (94%)



- Red (39%)
- Yellow (51%)
- Blue (94%)



- Cyan (58%)
- Magenta (42%)
- Yellow (0%)
- Black (6%)



- Cyan (61%)
- Magenta (45%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2163, 27.4658, 86.1469 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 30.2163, 27.4658, 86.1469 by changing the saturation by 10% instead.

■ 30.2163, 27.4658,
86.1469

■ 30.2163, 27.4658,
86.1469

294.8031,
289.9054, 535.6587

■ 20.1517, 17.9234,
64.2339

■ 59.3884, 55.6304,
143.8628

■ 12.6143, 10.8950,
46.3927

■ 79.2265, 75.0214,
180.5028

■ 7.2386, 5.9963,
32.2049

■ 103.0533, 98.4640,
222.8888

■ 3.6594, 2.8428,
21.2520

■ 131.2340,
126.3427, 271.4394

■ 1.5113, 1.0502,
13.1153

164.1340,
159.0417, 326.5732

■ 0.3335, 0.0000,
7.3763

202.1186,

■ 0.0000, 0.0000,

196.9456, 388.7086

3.6165

245.5532,
240.4387, 458.2643

■ 0.0000, 0.0000,
1.4174

■ 0.0000, 0.0000,
0.1553

■ 30.2163, 27.4658,
86.1469

■ 30.2163, 27.4658,
86.1469

■ 25.6304, 21.6703,
85.2705

■ 35.9831, 34.4602,
87.1936

■ 22.1326, 16.9971,
84.5529

■ 43.0073, 42.7178,
88.4173

■ 19.6201, 13.3638,
83.9840

■ 51.3623, 52.3010,
89.8267

■ 17.9525, 10.6652,
83.5510

■ 61.1148, 63.2674,
91.4294

■ 17.7266, 10.2879,
83.4901

■ 72.3271, 75.6708,
93.2325

■ 85.0572, 89.5620,
95.2428

■ 92.7283, 99.0713,
96.6740

Harmonies

Analogous

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



23.0019, 27.4658, 87.2028



30.2163, 27.4658, 86.1469



37.4512, 27.4658, 66.2752

Triad

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



30.2163, 27.4658, 86.1469



36.8244, 27.4658, 9.4206



14.8481, 27.4658, 21.5639

Complementary

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



30.2163, 27.4658, 86.1469



59.1241, 61.2219, 20.7592

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.



17.3192, 27.4658, 10.0929



30.2163, 27.4658, 86.1469



29.4762, 27.4658, 5.5777

Square

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



30.2163, 27.4658, 86.1469



41.7191, 27.4658, 20.0423



22.3854, 27.4658, 5.7490



14.9730, 27.4658, 42.5673

Rectangle

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



30.2163, 27.4658, 86.1469



40.9253, 27.4658, 48.6555



22.3854, 27.4658, 5.7490



15.3800, 27.4658, 16.7228

Sweetspot

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



30.2174, 27.4667, 86.1476



71.6824, 74.3286, 105.1765



46.8812, 69.2162, 65.7388



14.8226, 15.3294, 22.4276



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.



30.2174, 27.4667, 86.1476



28.5594, 23.7551, 97.6877



29.5442, 20.1797, 84.7766



15.2557, 15.9454, 19.9953



9.7998, 5.8239, 45.7355



0.8961, 0.6461, 3.8317

Inverse Universe

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



45.1536, 29.5052, 27.7419



47.6391, 28.0101, 22.7088



59.9450, 76.8939, 23.7410



15.9537, 15.8312, 17.3126



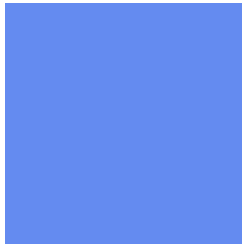
20.2721, 10.3813, 4.0836



1.7272, 0.8799, 0.5545

Previews

White Background



This preview shows how the XYZ color 30.2163, 27.4658, 86.1469 looks on a white background.

Color Contrast Check

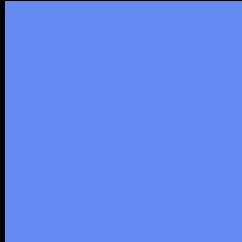
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2163, 27.4658, 86.1469 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

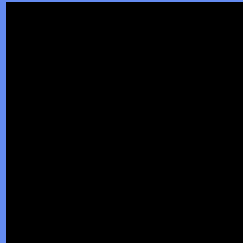
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2163, 27.4658, 86.1469

Background



This preview shows how black text looks on a background with the XYZ color 30.2163, 27.4658, 86.1469.



This preview shows how white text looks on a background with the XYZ color 30.2163, 27.4658,

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

30.2163, 27.4658, 86.1469

Protanopia

30.2163, 27.4658, 86.1469

Deuteranopia

28.3829, 27.4134, 85.4567



Tritanopia

21.2222, 27.5348, 40.7554

Trichromacy



Original Color

30.2163, 27.4658, 86.1469

Protanomaly

30.2163, 27.4658, 86.1469

Deuteranomaly

28.9993, 27.5093, 85.4428

Tritanomaly

23.8784, 27.1393, 55.0188

Monochromacy



Original Color

30.2163, 27.4658, 86.1469

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

25.5265, 25.9598, 44.7396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2163, 27.4658, 86.1469 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, 139, 240)` looks like.

```
.text, #text, p{  
    color:rgb(100, 139, 240)  
}
```

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, 139, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 139, 240) }
```

Border

The CSS property to change the border of an element to XYZ 30.2163, 27.4658, 86.1469 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, 139, 240) }
```


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

```
.border{ border-color:rgb(100, 139, 240) }
```

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

Here you see how a box with a 4 pixel rgb(100, 139, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 139, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 139, 240);  
box-shadow:4px 4px 4px 4px rgb(100, 139,  
240) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2163, 27.4658, 86.1469 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 139, 240) }
```

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

```
.background{ background-color: rgb(100,  
139, 240) }
```

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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