

Converting Colors

XYZ(30.4013, 25.9784, 90.0556)

Have a look what the booklet for
XYZ(30.4013, 25.9784, 90.0556)
contains.

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Color

**XYZ(30.3262, 25.9787,
89.8022)**

Conversions

Conversions Part 1

Format	Color
Hex	6784F5
RGB	103, 132, 245
RGB Percent	40%, 52%, 96%
CMY	0.5961, 0.4823, 0.0392
CMYK	0.58, 0.46, 0.00, 0.04
HSL	228°, 88%, 68%
HSV	228°, 58%, 96%
XYZ	30.3262, 25.9787, 89.8022
YIQ	136.2110, -53.5570, 28.9950

Conversions

Conversions Part 2

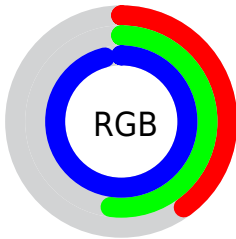
Format	Color
RYB	103, 127, 245
Decimal	6784245
CIELab	58.02, 22.62, -59.94
CIElCh	58, 64.071, 290.677
Yxy	25.9787, 0.2076, 0.1778
Android (android.graphics.Color)	4284974325 (0xFF6784F5)
YUV	136.2110, 53.6330, -29.1260
Hunter-Lab	50.9693, 17.0093, -68.7838

Details

The XYZ color **30.3262, 25.9787, 89.8022** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **64.6624, 69.5068, 22.8419**, and the grayscale version is **23.3016, 24.5151, 26.6970**.

A 20% lighter version of the original color is **50.7088, 49.8104, 101.5495**, and **12.6771, 10.0786, 48.8542** is the 20% darker color. If you saturate the color by 10%, you get **25.5151, 19.9337, 88.8896**, and if you desaturate by 10%, it is **36.4567, 33.4378, 90.9194**.

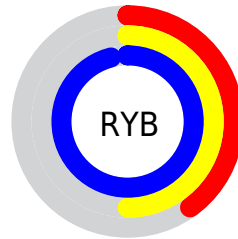
Distribution



Red (40%)

Green (52%)

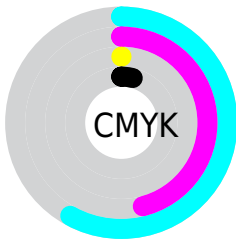
Blue (96%)



Red (40%)

Yellow (50%)

Blue (96%)

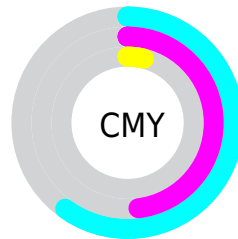


Cyan (58%)

Magenta (46%)

Yellow (0%)

Black (4%)



Cyan (60%)

Magenta (48%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3262, 25.9787, 89.8022 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 30.3262, 25.9787, 89.8022 by changing the saturation by 10% instead.

■ 30.3262, 25.9787,
89.8022

■ 30.3262, 25.9787,
89.8022

295.3046,
282.6775, 547.9407

■ 20.2356, 16.8077,
67.2438

■ 59.5608, 53.2406,
148.9967

■ 12.6757, 10.0975,
48.8200

■ 79.4354, 72.1003,
186.4699

■ 7.2811, 5.4636,
34.1121

■ 103.3022, 94.9583,
229.7519

■ 3.6864, 2.5218,
22.7017

131.5264,
122.1991, 279.2610

■ 1.5263, 0.8875,
14.1701

164.4734,
154.2070, 335.4159

■ 0.3436, 0.0000,
8.0990

202.5085,

■ 0.0000, 0.0000,

191.3664, 398.6351

4.0697

245.9971,
234.0618, 469.3372

■ 0.0000, 0.0000,
1.6636

■ 0.0000, 0.0000,
0.3356

■ 30.3262, 25.9787,
89.8022

■ 30.3262, 25.9787,
89.8022

■ 25.5151, 19.9337,
88.8896

■ 36.4567, 33.4378,
90.9194

■ 21.9182, 15.2070,
88.1668

■ 43.9939, 42.3930,
92.2507

■ 19.4188, 11.6936,
87.6204

■ 53.0214, 52.9229,
93.8074

■ 17.8640, 9.2644,
87.2334

■ 63.6151, 65.0996,
95.5993

■ 17.6233, 8.8762,
87.1712

■ 75.8457, 78.9907,
97.6360

■ 89.7795, 94.6600,
99.9261

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



22.3596, 25.9787, 94.5978



30.3262, 25.9787, 89.8022



38.0807, 25.9787, 64.7852

Triad

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



30.3262, 25.9787, 89.8022



35.3696, 25.9787, 6.4713



12.7290, 25.9787, 21.9307

Complementary

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



30.3262, 25.9787, 89.8022



64.6624, 69.5068, 22.8419

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.



14.8790, 25.9787, 8.9668



30.3262, 25.9787, 89.8022



27.1811, 25.9787, 3.6335

Square

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



30.3262, 25.9787, 89.8022



41.3890, 25.9787, 15.7518



19.8027, 25.9787, 4.2177



13.2251, 25.9787, 46.1550

Rectangle

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



30.3262, 25.9787, 89.8022



41.5590, 25.9787, 44.8556



19.8027, 25.9787, 4.2177



13.1459, 25.9787, 16.4012

Sweetspot

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



30.3273, 25.9795, 89.8029



70.8257, 72.6154, 104.8910



50.4146, 73.0563, 75.2202



14.6222, 14.9288, 22.3608



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.



30.3273, 25.9795, 89.8029



26.9698, 20.5760, 97.1578



32.7015, 22.1554, 88.9396



15.8552, 16.4747, 20.8868



9.5724, 4.9385, 46.9867



0.9115, 0.5745, 4.1531

Inverse Universe

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



46.6723, 30.7805, 25.3117



46.8368, 27.6892, 18.4837



60.2143, 79.2310, 24.9533



16.6375, 16.5379, 17.8377



20.6362, 10.5979, 2.7926



1.8492, 0.9456, 0.4321

Previews

White Background



This preview shows how the XYZ color 30.3262, 25.9787, 89.8022 looks on a white background.

Color Contrast Check

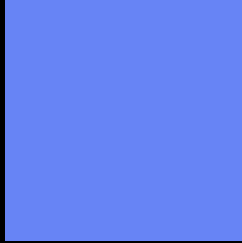
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3262, 25.9787, 89.8022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

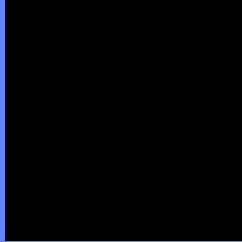
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.3262, 25.9787, 89.8022

Background



This preview shows how black text looks on a background with the XYZ color 30.3262, 25.9787, 89.8022.



This preview shows how white text looks on a background with the XYZ color 30.3262, 25.9787,

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

30.3262, 25.9787, 89.8022

Protanopia

29.3536, 26.0366, 92.2854

Deuteranopia

27.0678, 26.2246, 88.4293



Tritanopia

20.1317, 26.0428, 38.6160

Trichromacy



Original Color

30.3262, 25.9787, 89.8022

Protanomaly

29.7272, 26.0409, 91.4553

Deuteranomaly

27.9434, 26.0107, 89.1357

Tritanomaly

22.9922, 25.5461, 54.1711

Monochromacy



Original Color

30.3262, 25.9787, 89.8022

Achromatopsia

23.4014, 24.6201, 26.8113

Achromatomaly

24.8126, 24.7476, 44.5433

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3262, 25.9787, 89.8022 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, 132, 245)` looks like.

```
.text, #text, p{  
    color:rgb(103, 132, 245)  
}
```

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, 132, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 132, 245) }
```

Border

The CSS property to change the border of an element to XYZ 30.3262, 25.9787, 89.8022 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, 132, 245) }
```


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

```
.border{ border-color:rgb(103, 132, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 132, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 132, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 132, 245);  
box-shadow:4px 4px 4px 4px rgb(103, 132,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3262, 25.9787, 89.8022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 132, 245) }
```

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

```
.background{ background-color: rgb(103,  
132, 245) }
```

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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