

Converting Colors

XYZ(30.3162, 24.4616, 87.6722)

Have a look what the booklet for
XYZ(30.3162, 24.4616, 87.6722)
contains.

XYZ(30.3247, 24.4638, 87.9177)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.3247, 24.4638,
87.9177)**

Conversions

Conversions Part 1

Format	Color
Hex	727CF3
RGB	114, 124, 243
RGB Percent	45%, 49%, 95%
CMY	0.5529, 0.5137, 0.0471
CMYK	0.53, 0.49, 0.00, 0.05
HSL	235°, 84%, 70%
HSV	235°, 53%, 95%
XYZ	30.3247, 24.4638, 87.9177
YIQ	134.5760, -44.1590, 34.8890

Conversions

Conversions Part 2

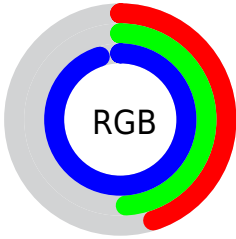
Format	Color
R _Y B	114, 123, 243
Decimal	7503091
CIE Lab	56.55, 28.94, -61.15
CIE LCh	57, 67.657, 295.328
Yxy	24.4638, 0.2125, 0.1714
Android (android.graphics.Color)	4285693171 (0xFF727CF3)
YUV	134.5760, 53.4530, -18.0452
Hunter-Lab	49.4609, 22.8826, -70.7665

Details

The XYZ color **30.3247, 24.4638, 87.9177** is a light color, and the websafe version is hex **6666CC**. A complement of this color would be **69.1402, 78.5503, 27.4389**, and the grayscale version is **22.6938, 23.8756, 26.0005**.

A 20% lighter version of the original color is **50.8089, 47.1549, 101.0316**, and **12.7140, 9.3670, 47.5923** is the 20% darker color. If you saturate the color by 10%, you get **25.0763, 18.0513, 86.9571**, and if you desaturate by 10%, it is **37.0532, 32.5876, 89.1316**.

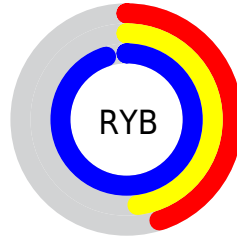
Distribution



Red (45%)

Green (49%)

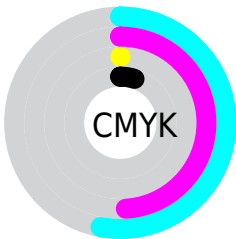
Blue (95%)



Red (45%)

Yellow (48%)

Blue (95%)

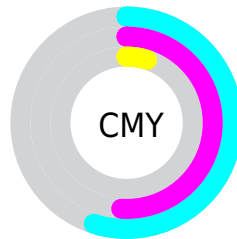


Cyan (53%)

Magenta (49%)

Yellow (0%)

Black (5%)



Cyan (55%)

Magenta (51%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3247, 24.4638, 87.9177 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 30.3247, 24.4638, 87.9177 by changing the saturation by 10% instead.

■ 30.3247, 24.4638,
87.9177

■ 30.3247, 24.4638,
87.9177

295.2978,
275.1570, 541.6280

■ 20.2345, 15.6780,
65.6910

■ 59.5584, 50.7860,
146.3527

■ 12.6748, 9.2966,
47.5667

■ 79.4326, 69.0912,
183.3981

■ 7.2805, 4.9351,
33.1263

■ 103.2988, 91.3384,
226.2200

■ 3.6860, 2.2093,
21.9513

131.5224,
117.9119, 275.2371

■ 1.5261, 0.7250,
13.6232

164.4687,
149.1961, 330.8680

■ 0.3435, 0.0000,
7.7233

202.5032,

■ 0.0000, 0.0000,

185.5754, 393.5310

3.8332

245.9911,
227.4342, 463.6448

■ 0.0000, 0.0000,
1.5343

■ 0.0000, 0.0000,
0.2433

■ 30.3247, 24.4638,
87.9177

■ 30.3247, 24.4638,
87.9177

■ 25.0763, 18.0513,
86.9571

■ 37.0532, 32.5876,
89.1316

■ 21.1928, 13.2250,
86.2302

■ 45.3588, 42.5309,
90.6131

■ 18.5472, 9.8463,
85.7175

■ 55.3342, 54.3959,
92.3776

■ 16.9871, 7.7517,
85.3954

■ 67.0638, 68.2765,
94.4386

■ 16.4078, 6.9311,
85.2676

■ 80.6264, 84.2604,
96.8089

■ 93.1778, 99.2511,
99.0409

Harmonies

Analogous

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



22.0445, 24.4638, 97.1134



30.3247, 24.4638, 87.9177



38.0039, 24.4638, 59.5670

Triad

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



30.3247, 24.4638, 87.9177



32.9377, 24.4638, 4.5576



11.2205, 24.4638, 23.2695

Complementary

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



30.3247, 24.4638, 87.9177



69.1402, 78.5503, 27.4389

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.



12.9175, 24.4638, 8.8384



30.3247, 24.4638, 87.9177



24.5031, 24.4638, 2.6081

Square

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



30.3247, 24.4638, 87.9177



39.7351, 24.4638, 12.0946



17.3747, 24.4638, 3.5564



12.1045, 24.4638, 49.7368

Rectangle

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



30.3247, 24.4638, 87.9177



41.1212, 24.4638, 39.1526



17.3747, 24.4638, 3.5564



11.4946, 24.4638, 17.1207

Sweetspot

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



30.3258, 24.4646, 87.9183



70.7461, 71.3586, 104.6526



53.5921, 73.5198, 87.8972



14.5557, 14.5794, 22.2969



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.



30.3258, 24.4646, 87.9183



27.4391, 19.4758, 96.9207



38.2917, 26.8048, 87.9502



15.6843, 16.1329, 20.8299



9.0417, 3.8772, 46.8098



0.8297, 0.4108, 4.1258

Inverse Universe

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



46.6185, 32.5460, 22.8942



47.5713, 29.8883, 16.4777



56.1374, 76.1678, 27.6644



16.5512, 16.5033, 17.3834



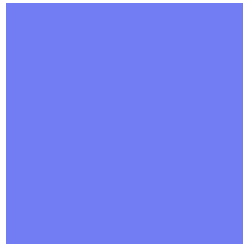
20.3683, 10.4908, 1.3821



1.8079, 0.9291, 0.2146

Previews

White Background



This preview shows how the XYZ color 30.3247, 24.4638, 87.9177 looks on a white background.

Color Contrast Check

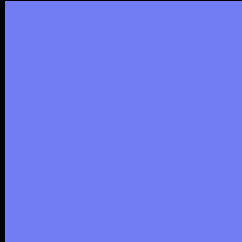
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.3247, 24.4638, 87.9177 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 30.3247, 24.4638, 87.9177

Background



This preview shows how black text looks on a background with the XYZ color 30.3247, 24.4638, 87.9177.



This preview shows how white text looks on a background with the XYZ color 30.3247, 24.4638,

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

30.3247, 24.4638, 87.9177

Protanopia

28.1957, 24.5906, 93.7029

Deuteranopia

25.5105, 24.6139, 85.8445



Tritanopia

19.7823, 24.5359, 35.1458

Trichromacy



Original Color

30.3247, 24.4638, 87.9177

Protanomaly

28.6275, 24.2776, 91.1729

Deuteranomaly

26.3752, 24.0117, 86.4637

Tritanomaly

22.7421, 23.9551, 51.0021

Monochromacy



Original Color

30.3247, 24.4638, 87.9177

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

24.5087, 23.8006, 43.3466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3247, 24.4638, 87.9177 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(114, 124, 243)` looks like.

```
.text, #text, p{  
    color:rgb(114, 124, 243)  
}
```

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(114, 124, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 124, 243) }
```

Border

The CSS property to change the border of an element to XYZ 30.3247, 24.4638, 87.9177 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(114, 124, 243) }
```


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

```
.border{ border-color:rgb(114, 124, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 124, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(114, 124, 243); -webkit-box-shadow:4px 4px 4px 4px rgb(114, 124, 243); box-shadow:4px 4px 4px 4px rgb(114, 124, 243) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3247, 24.4638, 87.9177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 124, 243) }
```

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

```
.background{ background-color: rgb(114,  
124, 243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor