

Converting Colors

XYZ(30.5386, 24.0627, 97.6424)

Have a look what the booklet for
XYZ(30.5386, 24.0627, 97.6424)
contains.

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Color

**XYZ(30.4890, 23.9638,
97.6263)**

Conversions

Conversions Part 1

Format	Color
Hex	667AFF
RGB	102, 122, 255
RGB Percent	40%, 48%, 100%
CMY	0.6000, 0.5216, 0.0000
CMYK	0.60, 0.52, 0.00, 0.00
HSL	232°, 100%, 70%
HSV	232°, 60%, 100%
XYZ	30.4890, 23.9638, 97.6263
YIQ	131.1820, -54.6130, 37.1230

Conversions

Conversions Part 2

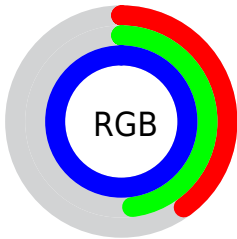
Format	Color
RYB	102, 120, 255
Decimal	6716159
CIELab	56.05, 31.71, -68.63
CIELCh	56, 75.599, 294.796
Yxy	23.9638, 0.2005, 0.1576
Android (android.graphics.Color)	4284906239 (0xFF667AFF)
YUV	131.1820, 61.0423, -25.5926
Hunter-Lab	48.9528, 25.5066, -83.9747

Details

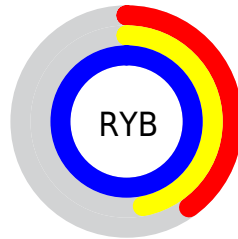
The XYZ color **30.4890, 23.9638, 97.6263** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **73.3491, 81.6403, 24.4647**, and the grayscale version is **21.4422, 22.5589, 24.5666**.

A 20% lighter version of the original color is **48.4959, 45.3846, 100.8118**, and **12.7405, 9.0389, 53.8965** is the 20% darker color. If you saturate the color by 10%, you get **25.6122, 17.8597, 96.7051**, and if you desaturate by 10%, it is **36.8770, 31.7687, 98.7961**.

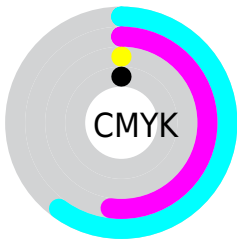
Distribution



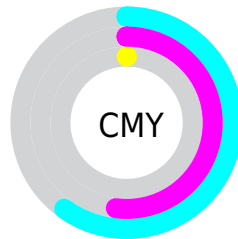
- Red (40%)
- Green (48%)
- Blue (100%)



- Red (40%)
- Yellow (47%)
- Blue (100%)



- Cyan (60%)
- Magenta (52%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (52%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4890, 23.9638, 97.6263 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 30.4890, 23.9638, 97.6263 by changing the saturation by 10% instead.

■ 30.4890, 23.9638,
97.6263

■ 30.4890, 23.9638,
97.6263

296.0463,
272.6374, 573.7368

■ 20.3600, 15.3068,
73.7139

■ 59.8160, 49.9711,
159.9146

■ 12.7668, 9.0350,
54.0645

■ 79.7446, 68.0902,
199.1276

■ 7.3440, 4.7640,
38.2597

■ 103.6705, 90.1321,
244.2779

■ 3.7264, 2.1095,
25.8809

131.9591,
116.4812, 295.7839

■ 1.5485, 0.6699,
16.5096

164.9755,
147.5219, 354.0642

■ 0.3585, 0.0000,
9.7272

203.0853,

■ 0.0000, 0.0000,

183.6385, 419.5375

5.1153

246.6538,
225.2156, 492.6222

■ 0.0000, 0.0000,
2.2551

■ 0.0000, 0.0000,
0.7059

■ 30.4890, 23.9638,
97.6263

■ 30.4890, 23.9638,
97.6263

■ 25.6122, 17.8597,
96.7051

■ 36.8770, 31.7687,
98.7961

■ 22.1163, 13.3253,
96.0141

■ 44.8858, 41.3879,
100.2307

■ 19.8535, 10.2131,
95.5327

■ 54.6179, 52.9272,
101.9450

■ 18.6032, 8.3262,
95.2344

■ 66.1668, 66.4840,
103.9531

■ 18.6029, 8.3257,
95.2343

■ 79.6189, 82.1485,
106.2676

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



21.3013, 23.9638, 108.0907



30.4890, 23.9638, 97.6263



39.2504, 23.9638, 64.3149

Triad

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



30.4890, 23.9638, 97.6263



33.7742, 23.9638, 3.3156



9.9034, 23.9638, 22.0060

Complementary

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



30.4890, 23.9638, 97.6263



73.3491, 81.6403, 24.4647

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.



11.7099, 23.9638, 7.1385



30.4890, 23.9638, 97.6263



24.3191, 23.9638, 1.5954

Square

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



30.4890, 23.9638, 97.6263



41.4590, 23.9638, 10.7795



16.4890, 23.9638, 2.3391



10.7682, 23.9638, 51.6031

Rectangle

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



30.4890, 23.9638, 97.6263



42.8934, 23.9638, 40.6852



16.4890, 23.9638, 2.3391



10.2011, 23.9638, 15.4874

Sweetspot

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



30.4900, 23.9645, 97.6263



68.6982, 69.4408, 104.3904



56.1782, 80.3204, 90.8379



13.9201, 13.9469, 22.2083



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.



30.4900, 23.9645, 97.6263



24.8056, 16.8301, 96.5489



36.9234, 24.0041, 97.2949



17.1943, 17.7602, 22.7718



9.7790, 4.4675, 49.7815



1.0087, 0.5482, 4.8659

Inverse Universe

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



49.5050, 32.1695, 22.0127



45.6022, 26.6509, 13.6609



61.6861, 84.6083, 25.6523



18.1060, 18.0257, 19.1752



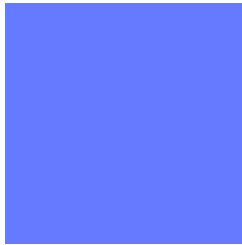
21.7242, 11.1790, 1.9320



2.1438, 1.0999, 0.3385

Previews

White Background



This preview shows how the XYZ color 30.4890, 23.9638, 97.6263 looks on a white background.

Color Contrast Check

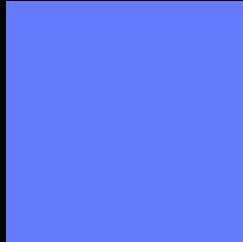
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.4890, 23.9638, 97.6263 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

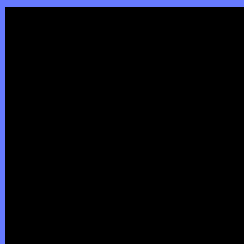
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.4890, 23.9638, 97.6263

Background



This preview shows how black text looks on a background with the XYZ color 30.4890, 23.9638, 97.6263.



This preview shows how white text looks on a background with the XYZ color 30.4890, 23.9638,

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

30.4890, 23.9638, 97.6263

Protanopia

27.9502, 23.9773, 97.7627

Deuteranopia

24.3841, 23.8403, 84.9778



Tritanopia

18.1954, 23.9259, 36.0069

Trichromacy



Original Color

30.4890, 23.9638, 97.6263

Protanomaly

28.5714, 23.7195, 97.6802

Deuteranomaly

25.3607, 23.2185, 89.5312

Tritanomaly

21.3953, 23.1974, 53.8020

Monochromacy



Original Color

30.4890, 23.9638, 97.6263

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

23.3014, 22.5660, 44.2019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4890, 23.9638, 97.6263 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(102, 122, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 122, 255)  
}
```

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(102, 122, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 122, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.4890, 23.9638, 97.6263 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(102, 122, 255) }
```


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

```
.border{ border-color:rgb(102, 122, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 122, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 122, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 122, 255);  
box-shadow:4px 4px 4px 4px rgb(102, 122,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4890, 23.9638, 97.6263 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 122, 255) }
```

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

```
.background{ background-color: rgb(102,  
122, 255) }
```

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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