

Converting Colors

XYZ(30.1220, 23.0604, 97.4713)

Have a look what the booklet for
XYZ(30.1220, 23.0604, 97.4713)
contains.

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Color

**XYZ(30.1220, 23.0604,
97.4713)**

Conversions

Conversions Part 1

Format	Color
Hex	6776FF
RGB	103, 118, 255
RGB Percent	40%, 46%, 100%
CMY	0.5960, 0.5373, 0.0000
CMYK	0.60, 0.54, 0.00, 0.00
HSL	234°, 100%, 70%
HSV	234°, 60%, 100%
XYZ	30.1220, 23.0604, 97.4713
YIQ	129.1330, -52.9170, 39.4270

Conversions

Conversions Part 2

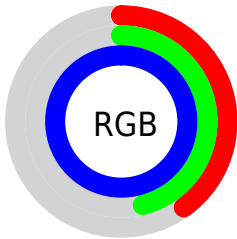
Format	Color
RYB	103, 117, 255
Decimal	6780671
CIELab	55.13, 34.28, -70.11
CIElCh	55, 78.039, 296.056
Yxy	23.0604, 0.1999, 0.1531
Android (android.graphics.Color)	4284970751 (0xFF6776FF)
YUV	129.1330, 62.0524, -22.9186
Hunter-Lab	48.0212, 27.9295, -86.7292

Details

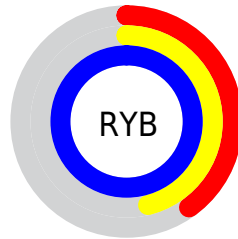
The XYZ color **30.1220, 23.0604, 97.4713** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **74.8511, 84.5644, 25.2117**, and the grayscale version is **20.7167, 21.7956, 23.7354**.

A 20% lighter version of the original color is **47.9418, 43.9688, 100.5678**, and **12.5368, 8.5500, 53.8129** is the 20% darker color. If you saturate the color by 10%, you get **25.2454, 17.0062, 96.5597**, and if you desaturate by 10%, it is **36.5515, 30.8941, 98.6444**.

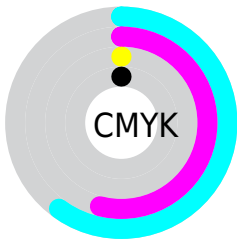
Distribution



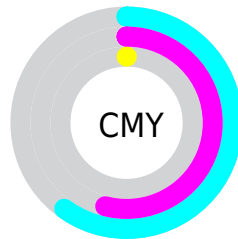
- Red (40%)
- Green (46%)
- Blue (100%)



- Red (40%)
- Yellow (46%)
- Blue (100%)



- Cyan (60%)
- Magenta (54%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (54%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1220, 23.0604, 97.4713 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 30.1220, 23.0604, 97.4713 by changing the saturation by 10% instead.

■ 30.1220, 23.0604,
97.4713

■ 30.1220, 23.0604,
97.4713

294.3723,
268.0351, 573.2319

■ 20.0797, 14.6381,
73.5853

■ 59.2404, 48.4925,
159.6992

■ 12.5616, 8.5658,
53.9600

■ 79.0472, 66.2711,
198.8783

■ 7.2023, 4.4591,
38.1767

■ 102.8396, 87.9372,
243.9921

■ 3.6364, 1.9335,
25.8170

130.9829,
113.8753, 295.4593

■ 1.4986, 0.5684,
16.4622

163.8424,
144.4697, 353.6983

■ 0.3248, 0.0000,
9.6939

201.7836,

■ 0.0000, 0.0000,

180.1049, 419.1277

5.0936

245.1718,
221.1652, 492.1661

■ 0.0000, 0.0000,
2.2426

■ 0.0000, 0.0000,
0.6988

■ 30.1220, 23.0604,
97.4713

■ 30.1220, 23.0604,
97.4713

■ 25.2454, 17.0062,
96.5597

■ 36.5515, 30.8941,
98.6444

■ 21.7860, 12.5890,
95.8894

■ 44.6481, 40.6310,
100.0971

■ 19.5893, 9.6468,
95.4373

■ 54.5189, 52.3859,
101.8458

■ 18.4334, 7.9680,
95.1742

■ 66.2609, 66.2637,
103.9056

■ 18.4009, 7.9218,
95.1670

■ 79.9641, 82.3622,
106.2907

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.



20.7872, 23.0604, 109.7023



30.1220, 23.0604, 97.4713



38.9399, 23.0604, 62.5072

Triad

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



30.1220, 23.0604, 97.4713



32.6542, 23.0604, 2.6426



9.1026, 23.0604, 21.9545

Complementary

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



30.1220, 23.0604, 97.4713



74.8511, 84.5644, 25.2117

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.



10.7596, 23.0604, 6.7283



30.1220, 23.0604, 97.4713



23.0895, 23.0604, 1.2230

Square

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



30.1220, 23.0604, 97.4713



40.6529, 23.0604, 9.3915



15.3582, 23.0604, 1.9737



10.0591, 23.0604, 52.5950

Rectangle

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



30.1220, 23.0604, 97.4713



42.5036, 23.0604, 38.5200



15.3582, 23.0604, 1.9737



9.3574, 23.0604, 15.2395

Sweetspot

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



30.1230, 23.0610, 97.4713



68.3252, 68.6946, 104.2660



57.0531, 80.6835, 94.8495



13.8310, 13.7688, 22.1786



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.



30.1230, 23.0610, 97.4713



24.2929, 15.8046, 96.3780



38.1708, 24.7940, 97.3816



17.1471, 17.6658, 22.7560



9.6621, 4.2338, 49.7425



0.9866, 0.5038, 4.8585

Inverse Universe

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



49.3611, 32.2702, 20.7668



45.3434, 26.5474, 12.2981



60.5090, 83.9957, 25.8579



18.0821, 18.0162, 19.0498



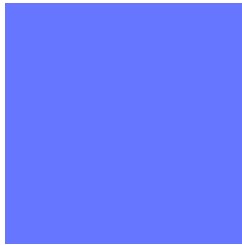
21.6652, 11.1554, 1.6213



2.1326, 1.0954, 0.2796

Previews

White Background



This preview shows how the XYZ color 30.1220, 23.0604, 97.4713 looks on a white background.

Color Contrast Check

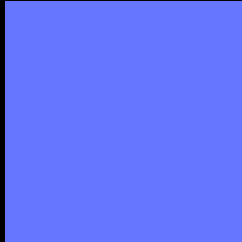
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.1220, 23.0604, 97.4713 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 30.1220, 23.0604, 97.4713

Background



This preview shows how black text looks on a background with the XYZ color 30.1220, 23.0604, 97.4713.



This preview shows how white text looks on a background with the XYZ color 30.1220, 23.0604,

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

30.1220, 23.0604, 97.4713

Protanopia

27.1607, 23.1830, 97.6510

Deuteranopia

23.5205, 23.0484, 81.8064



Tritanopia

17.4838, 22.9110, 34.5111

Trichromacy



Original Color

30.1220, 23.0604, 97.4713

Protanomaly

27.9301, 23.0130, 97.5776

Deuteranomaly

24.5091, 22.2425, 87.0059

Tritanomaly

20.7531, 22.2676, 52.4945

Monochromacy



Original Color

30.1220, 23.0604, 97.4713

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

22.8172, 21.7554, 43.5541

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1220, 23.0604, 97.4713 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, 118, 255)` looks like.

```
.text, #text, p{  
    color:rgb(103, 118, 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(103, 118, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 118, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.1220, 23.0604, 97.4713 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, 118, 255) }
```


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

```
.border{ border-color:rgb(103, 118, 255) }
```

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

Here you see how a box with a 4 pixel rgb(103, 118, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 118, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 118, 255);  
box-shadow:4px 4px 4px 4px rgb(103, 118,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1220, 23.0604, 97.4713 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 118, 255) }
```

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

```
.background{ background-color: rgb(103,  
118, 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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