

Converting Colors

XYZ(30.2070, 23.3871, 97.5298)

Have a look what the booklet for
XYZ(30.2070, 23.3871, 97.5298)
contains.

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Color

**XYZ(30.2460, 23.4777,
97.5453)**

Conversions

Conversions Part 1

Format	Color
Hex	6678FF
RGB	102, 120, 255
RGB Percent	40%, 47%, 100%
CMY	0.6000, 0.5294, 0.0000
CMYK	0.60, 0.53, 0.00, 0.00
HSL	233°, 100%, 70%
HSV	233°, 60%, 100%
XYZ	30.2460, 23.4777, 97.5453
YIQ	130.0080, -54.0630, 38.1690

Conversions

Conversions Part 2

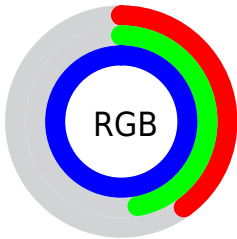
Format	Color
RYB	102, 118, 255
Decimal	6715647
CIELab	55.56, 32.91, -69.42
CIELCh	56, 76.826, 295.362
Yxy	23.4777, 0.1999, 0.1552
Android (android.graphics.Color)	4284905727 (0xFF6678FF)
YUV	130.0080, 61.6211, -24.5630
Hunter-Lab	48.4538, 26.6298, -85.4427

Details

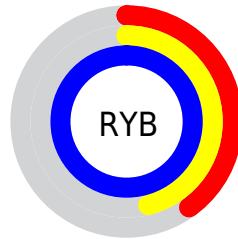
The XYZ color **30.2460, 23.4777, 97.5453** is a light color, and the websafe version is hex **6666FF**. A complement of this color would be **73.9252, 82.7925, 24.6569**, and the grayscale version is **21.0249, 22.1198, 24.0885**.

A 20% lighter version of the original color is **48.1124, 44.6176, 100.6840**, and **12.6091, 8.7761, 53.8527** is the 20% darker color. If you saturate the color by 10%, you get **25.3920, 17.4194, 96.6317**, and if you desaturate by 10%, it is **36.6262, 31.2668, 98.7124**.

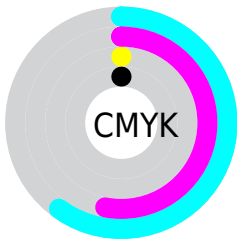
Distribution



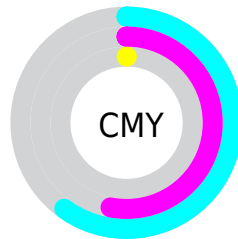
- Red (40%)
- Green (47%)
- Blue (100%)



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



- Cyan (60%)
- Magenta (53%)
- Yellow (0%)
- Black (0%)



- Cyan (60%)
- Magenta (53%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2460, 23.4777, 97.5453 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 30.2460, 23.4777, 97.5453 by changing the saturation by 10% instead.

■ 30.2460, 23.4777,
97.5453

■ 30.2460, 23.4777,
97.5453

294.9387,
270.1692, 573.4730

■ 20.1744, 14.9466,
73.6467

■ 59.4350, 49.1765,
159.8021

■ 12.6309, 8.7819,
54.0099

■ 79.2830, 67.1131,
198.9973

■ 7.2501, 4.5992,
38.2163

■ 103.1206, 88.9536,
244.1285

■ 3.6667, 2.0141,
25.8475

131.3130,
115.0824, 295.6143

■ 1.5154, 0.6156,
16.4848

164.2257,
145.8840, 353.8730

■ 0.3363, 0.0000,
9.7098

202.2240,

■ 0.0000, 0.0000,

181.7427, 419.3234

5.1039

245.6732,
223.0430, 492.3838

■ 0.0000, 0.0000,
2.2486

■ 0.0000, 0.0000,
0.7022

■ 30.2460, 23.4777,
97.5453

■ 30.2460, 23.4777,
97.5453

■ 25.3920, 17.4194,
96.6317

■ 36.6262, 31.2668,
98.7124

■ 21.9316, 12.9559,
95.9526

■ 44.6441, 40.9044,
100.1501

■ 19.7138, 9.9338,
95.4861

■ 54.4045, 52.5001,
101.8739

■ 18.5143, 8.1484,
95.2047

■ 66.0021, 66.1543,
103.8981

■ 18.5140, 8.1480,
95.2047

■ 79.5250, 81.9605,
106.2363

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.



20.9937, 23.4777, 108.8103



30.2460, 23.4777, 97.5453



39.0367, 23.4777, 63.4441

Triad

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



30.2460, 23.4777, 97.5453



33.1969, 23.4777, 2.9651



9.4800, 23.4777, 21.8934

Complementary

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



30.2460, 23.4777, 97.5453



73.9252, 82.7925, 24.6569

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.



11.2155, 23.4777, 6.8942



30.2460, 23.4777, 97.5453



23.6903, 23.4777, 1.3957

Square

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



30.2460, 23.4777, 97.5453



41.0269, 23.4777, 10.0793



15.9076, 23.4777, 2.1384



10.3847, 23.4777, 51.9582

Rectangle

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



30.2460, 23.4777, 97.5453



42.6475, 23.4777, 39.6289



15.9076, 23.4777, 2.1384



9.7577, 23.4777, 15.2952

Sweetspot

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



30.2470, 23.4783, 97.5453



68.5456, 69.1354, 104.3395



56.1783, 80.3204, 90.8380



13.8836, 13.8740, 22.1962



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.



30.2470, 23.4783, 97.5453



24.5916, 16.4020, 96.4775



36.9235, 24.0042, 97.2949



17.1750, 17.7217, 22.7653



9.7279, 4.3654, 49.7645



0.9997, 0.5301, 4.8629

Inverse Universe

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



49.3824, 32.1205, 21.3666



45.4942, 26.6077, 13.0920



61.6862, 84.6083, 25.6524



18.0962, 18.0218, 19.1239



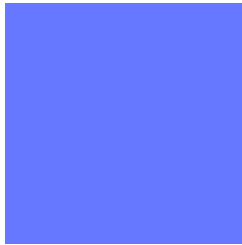
21.6984, 11.1686, 1.7963



2.1392, 1.0981, 0.3145

Previews

White Background



This preview shows how the XYZ color 30.2460, 23.4777, 97.5453 looks on a white background.

Color Contrast Check

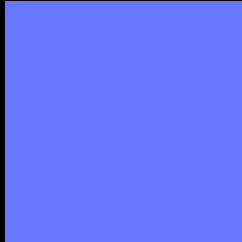
Large Text (above 18pt) WCAG AA ✓ Pass

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 30.2460, 23.4777, 97.5453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

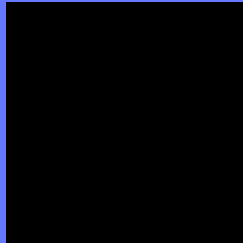
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 30.2460, 23.4777, 97.5453

Background



This preview shows how black text looks on a background with the XYZ color 30.2460, 23.4777, 97.5453.



This preview shows how white text looks on a background with the XYZ color 30.2460, 23.4777,

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

30.2460, 23.4777, 97.5453

Protanopia

27.5141, 23.5579, 97.7047

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

17.8135, 23.5210, 35.0536

Trichromacy



Original Color

30.2460, 23.4777, 97.5453

Protanomaly

28.2077, 23.3431, 97.6267

Deuteranomaly

25.0747, 22.8902, 88.6846

Tritanomaly

21.0662, 22.8306, 53.1656

Monochromacy



Original Color

30.2460, 23.4777, 97.5453

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

22.9444, 22.0099, 43.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2460, 23.4777, 97.5453 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, 120, 255)` looks like.

```
.text, #text, p{  
    color:rgb(102, 120, 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, 120, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 120, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.2460, 23.4777, 97.5453 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, 120, 255) }
```


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

```
.border{ border-color:rgb(102, 120, 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, 120, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(102, 120, 255); -webkit-box-shadow:4px 4px 4px 4px rgb(102, 120, 255); box-shadow:4px 4px 4px 4px rgb(102, 120, 255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2460, 23.4777, 97.5453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 120, 255) }
```

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

```
.background{ background-color: rgb(102,  
120, 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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