

Converting Colors

XYZ(30.6201, 30.3333, 98.8488)

Have a look what the booklet for
XYZ(30.6201, 30.3333, 98.8488)
contains.

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Color

**XYZ(30.6435, 30.3803,
98.8566)**

Conversions

Conversions Part 1

Format	Color
Hex	3398FF
RGB	51, 152, 255
RGB Percent	20%, 60%, 100%
CMY	0.7999, 0.4039, 0.0000
CMYK	0.80, 0.40, 0.00, 0.00
HSL	210°, 100%, 60%
HSV	210°, 80%, 100%
XYZ	30.6435, 30.3803, 98.8566
YIQ	133.5430, -93.2590, 10.6210

Conversions

Conversions Part 2

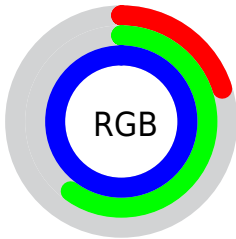
Format	Color
R _Y B	51, 119, 255
Decimal	3381503
CIE Lab	61.98, 6.72, -59.21
CIE LCh	62, 59.593, 276.479
Yxy	30.3803, 0.1917, 0.1900
Android (android.graphics.Color)	4281571583 (0xFF3398FF)
YUV	133.5430, 59.8783, -72.3902
Hunter-Lab	55.1183, 2.7815, -67.7558

Details

The XYZ color **30.6435, 30.3803, 98.8566** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **53.3965, 44.6163, 8.9317**, and the grayscale version is **22.3073, 23.4690, 25.5578**.

A 20% lighter version of the original color is **48.8737, 55.8746, 102.8167**, and **14.9444, 13.5800, 55.2596** is the 20% darker color. If you saturate the color by 10%, you get **27.7146, 25.9348, 98.1530**, and if you desaturate by 10%, it is **34.5049, 35.6439, 99.6691**.

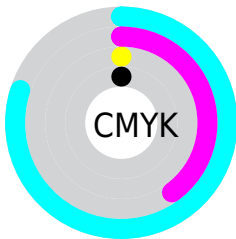
Distribution



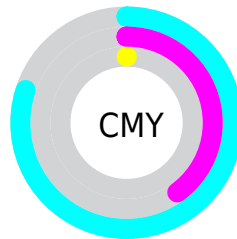
- Red (20%)
- Green (60%)
- Blue (100%)



- Red (20%)
- Yellow (47%)
- Blue (100%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (80%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6435, 30.3803, 98.8566 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 30.6435, 30.3803, 98.8566 by changing the saturation by 10% instead.

■ 30.6435, 30.3803,
98.8566

■ 30.6435, 30.3803,
98.8566

296.7488,
303.6731, 577.7359

■ 20.4780, 20.1274,
74.7344

■ 60.0580, 60.2631,
161.6231

■ 12.8533, 12.4877,
54.8949

■ 80.0378, 80.6618,
201.1046

■ 7.4039, 7.0767,
38.9196

■ 104.0197,
105.2112, 246.5429

■ 3.7645, 3.5101,
26.3898

■ 132.3691,
134.2958, 298.3566

■ 1.5698, 1.4035,
16.8871

165.4514,
168.2998, 356.9642

■ 0.3726, 0.2193,
9.9929

203.6318,

■ 0.0000, 0.0000,

207.6078, 422.7842

5.2887

247.2759,
252.6041, 496.2353

■ 0.0000, 0.0000,
2.3560

■ 0.0000, 0.0000,
0.7623

■ 30.6435, 30.3803,
98.8566

■ 30.6435, 30.3803,
98.8566

■ 27.7146, 25.9348,
98.1530

■ 34.5049, 35.6439,
99.6691

■ 25.5430, 22.2056,
97.5476

■ 39.4030, 41.7886,
100.5970

■ 25.5415, 22.2030,
97.5472

■ 45.4300, 48.8722,
101.6466

■ 52.6660, 56.9452,
102.8235

■ 61.1832, 66.0540,
104.1327

■ 71.0478, 76.2414,
105.5792

■ 82.3210, 87.5474,
107.1673

■ 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.



23.1697, 30.3803, 92.0210



30.6435, 30.3803, 98.8566



39.0029, 30.3803, 82.5487

Triad

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



30.6435, 30.3803, 98.8566



43.0690, 30.3803, 13.2142



16.9584, 30.3803, 18.4471

Complementary

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



30.6435, 30.3803, 98.8566



53.3965, 44.6163, 8.9317

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.



20.6732, 30.3803, 8.8188



30.6435, 30.3803, 98.8566



35.4488, 30.3803, 6.9185

Square

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



30.6435, 30.3803, 98.8566



46.9820, 30.3803, 28.3598



27.1770, 30.3803, 5.7966



16.1457, 30.3803, 38.2946

Rectangle

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



30.6435, 30.3803, 98.8566



43.6654, 30.3803, 63.8003



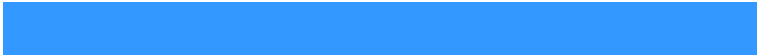
27.1770, 30.3803, 5.7966



17.8708, 30.3803, 14.2490

Sweetspot

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



30.6446, 30.3812, 98.8567



66.9287, 72.0266, 104.9827



42.8768, 74.5245, 42.2660



13.5816, 14.6464, 22.3612



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.



30.6446, 30.3812, 98.8567



26.3464, 23.6233, 97.7789



20.6009, 10.2936, 95.5088



17.7457, 18.8631, 22.9556



13.4949, 11.8994, 51.0201



1.4230, 1.3768, 5.0040

Inverse Universe

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



48.0923, 25.8964, 32.1700



45.4739, 23.1307, 23.6794



77.5980, 93.0192, 16.9988



18.3843, 18.1370, 20.6409



23.5998, 11.9292, 11.8090



2.3529, 1.1835, 1.4398

Previews

White Background



This preview shows how the XYZ color 30.6435, 30.3803, 98.8566 looks on a white background.

Color Contrast Check

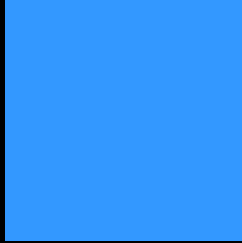
Large Text (above 18pt) WCAG AA × Fail

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 30.6435, 30.3803, 98.8566 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

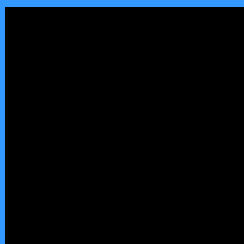
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

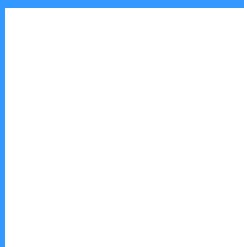
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6435, 30.3803, 98.8566

Background



This preview shows how black text looks on a background with the XYZ color 30.6435, 30.3803, 98.8566.



This preview shows how white text looks on a background with the XYZ color 30.6435, 30.3803,

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

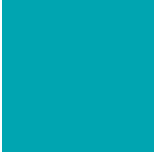
30.6435, 30.3803, 98.8566

Protanopia

33.1681, 30.1545, 93.6948

Deuteranopia

31.3402, 30.2616, 98.7970



Tritanopia

21.3909, 30.0846, 46.2745

Trichromacy



Original Color

30.6435, 30.3803, 98.8566

Protanomaly

31.8402, 30.1233, 95.4030

Deuteranomaly

31.1032, 30.3774, 98.8318

Tritanomaly

23.8588, 29.6878, 62.2304

Monochromacy



Original Color

30.6435, 30.3803, 98.8566

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

23.2697, 25.2072, 45.7585

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6435, 30.3803, 98.8566 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(51, 152, 255)` looks like.

```
.text, #text, p{  
    color:rgb(51, 152, 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(51, 152, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 152, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.6435, 30.3803, 98.8566 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(51, 152, 255) }
```


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

```
.border{ border-color:rgb(51, 152, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 152, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 152, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 152, 255);  
box-shadow:4px 4px 4px 4px rgb(51, 152,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.6435, 30.3803, 98.8566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 152, 255) }
```

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

```
.background{ background-color: rgb(51, 152,  
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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