

Converting Colors

XYZ(32.3960, 31.2506,
108.2866)

Have a look what the booklet for
XYZ(32.3960, 31.2506, 108.2866)
contains.

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Color

**XYZ(30.6602, 30.6308,
98.9041)**

Conversions

Conversions Part 1

Format	Color
Hex	3099FF
RGB	48, 153, 255
RGB Percent	19%, 60%, 100%
CMY	0.8117, 0.4000, 0.0000
CMYK	0.81, 0.40, 0.00, 0.00
HSL	210°, 100%, 59%
HSV	210°, 81%, 100%
XYZ	30.6602, 30.6308, 98.9041
YIQ	133.2330, -95.3220, 9.4620

Conversions

Conversions Part 2

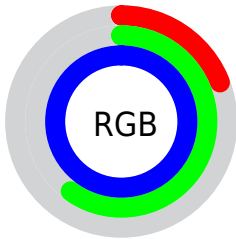
Format	Color
R _Y B	48, 118, 255
Decimal	3185151
CIE Lab	62.19, 5.87, -58.87
CIE LCh	62, 59.166, 275.689
Yxy	30.6308, 0.1914, 0.1912
Android (android.graphics.Color)	4281375231 (0xFF3099FF)
YUV	133.2330, 60.0311, -74.7493
Hunter-Lab	55.3451, 2.0319, -67.2122

Details

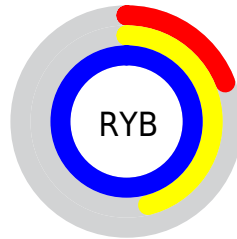
The XYZ color **30.6602, 30.6308, 98.9041** is a light color, and the websafe version is hex **3399FF**. The color can be described as light washed azure. A complement of this color would be **52.6837, 43.2930, 8.3783**, and the grayscale version is **22.1949, 23.3507, 25.4289**.

A 20% lighter version of the original color is **48.9670, 56.2813, 102.8903**, and **15.0433, 13.7777, 55.2926** is the 20% darker color. If you saturate the color by 10%, you get **27.8342, 26.2800, 98.2133**, and if you desaturate by 10%, it is **34.3951, 35.7723, 99.6997**.

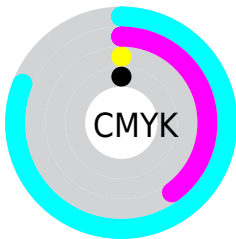
Distribution



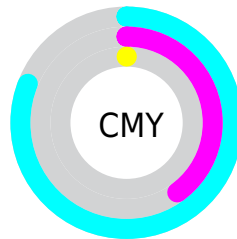
- Red (19%)
- Green (60%)
- Blue (100%)



- Red (19%)
- Yellow (46%)
- Blue (100%)



- Cyan (81%)
- Magenta (40%)
- Yellow (0%)
- Black (0%)



- Cyan (81%)
- Magenta (40%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.6602, 30.6308, 98.9041 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 30.6602, 30.6308, 98.9041 by changing the saturation by 10% instead.

■ 30.6602, 30.6308,
98.9041

■ 30.6602, 30.6308,
98.9041

296.8247,
304.8338, 577.8900

■ 20.4908, 20.3179,
74.7738

■ 60.0842, 60.6583,
161.6891

■ 12.8626, 12.6263,
54.9270

■ 80.0695, 81.1417,
201.1809

■ 7.4104, 7.1717,
38.9451

■ 104.0574,
105.7841, 246.6303

■ 3.7686, 3.5697,
26.4095

■ 132.4134,
134.9698, 298.4558

■ 1.5721, 1.4359,
16.9017

165.5028,
169.0832, 357.0760

■ 0.3741, 0.2430,
10.0032

203.6909,

■ 0.0000, 0.0000,

208.5087, 422.9094

5.2955

247.3431,
253.6308, 496.3745

■ 0.0000, 0.0000,
2.3599

■ 0.0000, 0.0000,
0.7645

■ 30.6602, 30.6308,
98.9041

■ 30.6602, 30.6308,
98.9041

■ 27.8342, 26.2800,
98.2133

■ 34.3951, 35.7723,
99.6997

■ 25.9445, 23.0091,
97.6815

■ 39.1450, 41.7679,
100.6066

■ 45.0033, 48.6751,
101.6310

■ 52.0507, 56.5441,
102.7785

■ 60.3597, 65.4207,
104.0539

■ 69.9967, 75.3474,
105.4620

■ 81.0232, 86.3637,
107.0072

■ 93.4964, 98.5067,
108.6937

■ 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.



23.2468, 30.6308, 91.5062



30.6602, 30.6308, 98.9041



39.0056, 30.6308, 83.2374

Triad

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



30.6602, 30.6308, 98.9041



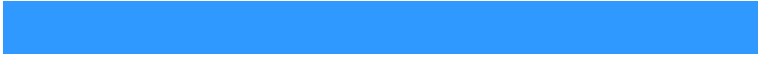
43.4261, 30.6308, 13.7338



17.2572, 30.6308, 18.3439

Complementary

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



30.6602, 30.6308, 98.9041



52.6837, 43.2930, 8.3783

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.



21.0538, 30.6308, 8.8897



30.6602, 30.6308, 98.9041



35.8928, 30.6308, 7.2060

Square

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



30.6602, 30.6308, 98.9041



47.1905, 30.6308, 29.1854



27.6200, 30.6308, 5.9613



16.3669, 30.6308, 37.8969

Rectangle

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



30.6602, 30.6308, 98.9041



43.7030, 30.6308, 64.7308



27.6200, 30.6308, 5.9613



18.1969, 30.6308, 14.2185

Sweetspot

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



30.6613, 30.6317, 98.9042



67.1290, 72.4271, 105.0495



42.3301, 74.2890, 40.1506



13.6296, 14.7423, 22.3771



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.



30.6613, 30.6317, 98.9042



26.5478, 24.0734, 97.8551



20.4745, 10.2580, 95.5086



17.7646, 18.9008, 22.9619



13.7064, 12.3223, 51.0906



1.4439, 1.4184, 5.0110

Inverse Universe

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



48.0477, 25.6756, 32.5609



45.5640, 23.1224, 24.2902



76.4433, 90.8123, 16.2982



18.3938, 18.1408, 20.6910



23.7065, 11.9719, 12.3710



2.3634, 1.1877, 1.4951

Previews

White Background



This preview shows how the XYZ color 30.6602, 30.6308, 98.9041 looks on a white background.

Color Contrast Check

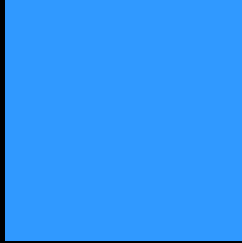
Large Text (above 18pt) WCAG AA × Fail

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 30.6602, 30.6308, 98.9041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

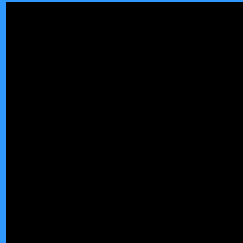
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

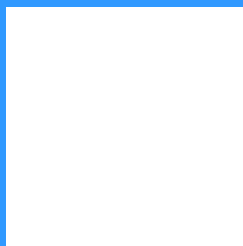
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.6602, 30.6308, 98.9041

Background



This preview shows how black text looks on a background with the XYZ color 30.6602, 30.6308, 98.9041.



This preview shows how white text looks on a background with the XYZ color 30.6602, 30.6308,

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

30.6602, 30.6308, 98.9041

Protanopia

33.2856, 30.4609, 92.9321

Deuteranopia

31.6424, 30.6553, 98.8571

Trichromacy



Original Color

30.6602, 30.6308, 98.9041

Protanomaly

31.9978, 30.4384, 95.4555

Deuteranomaly

31.2648, 30.7006, 98.8857

Monochromacy



Original Color

30.6602, 30.6308, 98.9041

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.7934, 24.7553, 45.1719

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.6602, 30.6308, 98.9041 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(48, 153, 255)` looks like.

```
.text, #text, p{  
    color:rgb(48, 153, 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(48, 153, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 153, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.6602, 30.6308, 98.9041 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(48, 153, 255) }
```

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

```
.border{ border-color:rgb(48, 153, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 153, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 153, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 153, 255);  
box-shadow:4px 4px 4px 4px rgb(48, 153,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 30.6602, 30.6308, 98.9041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 153, 255) }
```

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

```
.background{ background-color: rgb(48, 153,  
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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