

Converting Colors

XYZ(30.1237, 30.9268, 98.9895)

Have a look what the booklet for
XYZ(30.1237, 30.9268, 98.9895)
contains.

XYZ(30.0598, 30.8114, 98.9706)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(30.0598, 30.8114,
98.9706)**

Conversions

Conversions Part 1

Format	Color
Hex	149BFF
RGB	20, 155, 255
RGB Percent	8%, 61%, 100%
CMY	0.9214, 0.3922, 0.0000
CMYK	0.92, 0.39, 0.00, 0.00
HSL	206°, 100%, 54%
HSV	206°, 92%, 100%
XYZ	30.0598, 30.8114, 98.9706
YIQ	126.0350, -112.5600, 2.4800

Conversions

Conversions Part 2

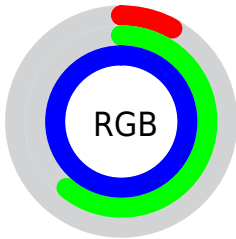
Format	Color
R_{YB}	20, 106, 255
Decimal	1350655
CIE Lab	62.35, 2.95, -58.65
CIE LCh	62, 58.728, 272.880
Yxy	30.8114, 0.1881, 0.1928
Android (android.graphics.Color)	4279540735 (0xFF149BFF)
YUV	126.0350, 63.5797, -92.9927
Hunter-Lab	55.5080, -0.4742, -66.8582

Details

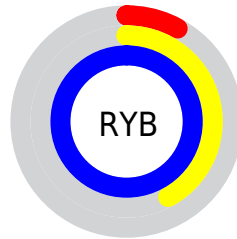
The XYZ color **30.0598, 30.8114, 98.9706** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle washed azure. A complement of this color would be **48.0884, 34.7541, 4.8376**, and the grayscale version is **19.6662, 20.6904, 22.5318**.

A 20% lighter version of the original color is **48.0529, 56.5339, 102.9872**, and **15.2446, 14.1804, 55.3597** is the 20% darker color. If you saturate the color by 10%, you get **28.4015, 27.9229, 98.5005**, and if you desaturate by 10%, it is **32.7661, 35.0098, 99.6384**.

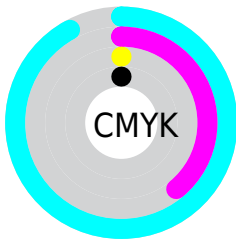
Distribution



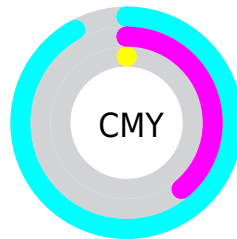
- Red (8%)
- Green (61%)
- Blue (100%)



- Red (8%)
- Yellow (42%)
- Blue (100%)



- Cyan (92%)
- Magenta (39%)
- Yellow (0%)
- Black (0%)



- Cyan (92%)
- Magenta (39%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0598, 30.8114, 98.9706 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 30.0598, 30.8114, 98.9706 by changing the saturation by 10% instead.

■ 30.0598, 30.8114,
98.9706

■ 30.0598, 30.8114,
98.9706

294.0879,
305.6685, 578.1057

■ 20.0323, 20.4553,
74.8290

■ 59.1427, 60.9430,
161.7814

■ 12.5269, 12.7264,
54.9720

■ 78.9288, 81.4873,
201.2876

■ 7.1783, 7.2404,
38.9808

■ 102.6985,
106.1964, 246.7525

■ 3.6212, 3.6129,
26.4371

■ 130.8171,
135.4548, 298.5946

■ 1.4901, 1.4595,
16.9222

■ 163.6500,
169.6468, 357.2325

■ 0.3191, 0.2599,
10.0177

201.5625,

■ 0.0000, 0.0000,

209.1568, 423.0846

5.3049

244.9200,
254.3692, 496.5695

■ 0.0000, 0.0000,
2.3654

■ 0.0000, 0.0000,
0.7675

■ 30.0598, 30.8114,
98.9706

■ 30.0598, 30.8114,
98.9706

■ 28.4015, 27.9229,
98.5005

■ 32.7661, 35.0098,
99.6384

■ 36.3162, 39.8900,
100.3932

■ 40.8208, 45.5153,
101.2416

■ 46.3711, 51.9382,
102.1888

■ 53.0464, 59.2052,
103.2397

■ 60.9180, 67.3584,
104.3985

■ 70.0508, 76.4363,
105.6693

■ 80.5046, 86.4748,
107.0560

■ 92.3353, 97.5076,
108.5620

Harmonies

Analogous

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



22.8582, 30.8114, 89.5077



30.0598, 30.8114, 98.9706



38.3874, 30.8114, 85.3443

Triad

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



30.0598, 30.8114, 98.9706



44.0812, 30.8114, 14.9593



17.6830, 30.8114, 17.2941

Complementary

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



30.0598, 30.8114, 98.9706



48.0884, 34.7541, 4.8376

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.



21.7493, 30.8114, 8.5855



30.0598, 30.8114, 98.9706



36.8166, 30.8114, 7.7294

Square

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



30.0598, 30.8114, 98.9706



47.3480, 30.8114, 31.3973



28.5242, 30.8114, 6.0764



16.5231, 30.8114, 35.7956

Rectangle

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



30.0598, 30.8114, 98.9706



43.2353, 30.8114, 67.4882



28.5242, 30.8114, 6.0764



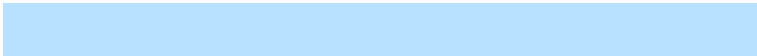
18.7139, 30.8114, 13.4646

Sweetspot

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



30.0609, 30.8123, 98.9707



64.5418, 71.0017, 104.9107



39.3160, 72.9758, 29.1353



13.0070, 14.3850, 22.3410



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.



30.0609, 30.8123, 98.9707



28.4015, 27.9229, 98.5005



19.0856, 8.8616, 95.3123



17.8694, 19.1104, 22.9968



14.9915, 14.8926, 51.5190



1.5680, 1.6668, 5.0523

Inverse Universe

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



47.4074, 24.1285, 33.1695



46.4649, 23.3500, 29.4442



71.1955, 80.9684, 12.5400



18.4467, 18.1620, 20.9696



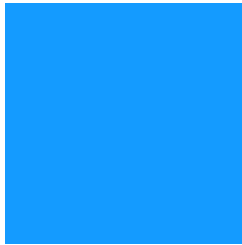
24.3552, 12.2314, 15.7870



2.4261, 1.2128, 1.8252

Previews

White Background



This preview shows how the XYZ color 30.0598, 30.8114, 98.9706 looks on a white background.

Color Contrast Check

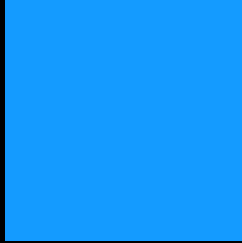
Large Text (above 18pt) WCAG AA × Fail

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 30.0598, 30.8114, 98.9706 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

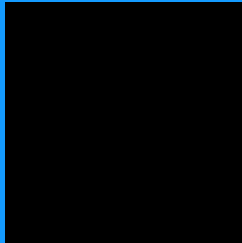
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

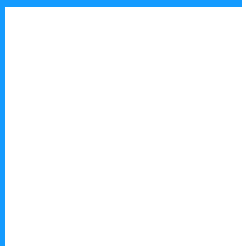
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.0598, 30.8114, 98.9706

Background



This preview shows how black text looks on a background with the XYZ color 30.0598, 30.8114, 98.9706.



This preview shows how white text looks on a background with the XYZ color 30.0598, 30.8114,

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

30.0598, 30.8114, 98.9706

Protanopia

33.3741, 30.5244, 92.1285

Deuteranopia

31.7891, 30.7309, 98.8639



Tritanopia

21.6721, 30.4868, 46.8618

Trichromacy



Original Color

30.0598, 30.8114, 98.9706

Protanomaly

31.0633, 29.9748, 94.5910

Deuteranomaly

30.7464, 30.4334, 98.8615

Tritanomaly

24.1485, 30.3421, 62.9764

Monochromacy



Original Color

30.0598, 30.8114, 98.9706

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

20.4190, 22.9347, 42.8858

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0598, 30.8114, 98.9706 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(20, 155, 255)` looks like.

```
.text, #text, p{  
    color:rgb(20, 155, 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(20, 155, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 155, 255) }
```

Border

The CSS property to change the border of an element to XYZ 30.0598, 30.8114, 98.9706 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(20, 155, 255) }
```


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

```
.border{ border-color:rgb(20, 155, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(20, 155, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 155, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 155, 255);  
box-shadow:4px 4px 4px 4px rgb(20, 155,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0598, 30.8114, 98.9706 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 155, 255) }
```

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

```
.background{ background-color: rgb(20, 155,  
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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