

Converting Colors

XYZ(22.5181, 30.5117, 89.1902)

Have a look what the booklet for
XYZ(22.5181, 30.5117, 89.1902)
contains.

XYZ(30.1803, 34.4763, 89.8579)	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(30.1803, 34.4763,
89.8579)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8F3
RGB	0, 168, 243
RGB Percent	0%, 66%, 95%
CMY	0.9997, 0.3412, 0.0471
CMYK	1.00, 0.31, 0.00, 0.05
HSL	199°, 100%, 48%
HSV	199°, 100%, 95%
XYZ	30.1803, 34.4763, 89.8579
YIQ	126.3180, -124.2030, -12.2910

Conversions

Conversions Part 2

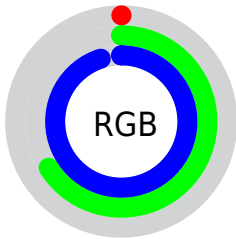
Format	Color
RYB	0, 99, 243
Decimal	43251
CIELab	65.34, -9.49, -47.36
CIELCh	65, 48.299, 258.674
Yxy	34.4763, 0.1953, 0.2231
Android (android.graphics.Color)	4278233331 (0xFF00A8F3)
YUV	126.3180, 57.5242, -110.7809
Hunter-Lab	58.7165, -11.0049, -49.6340

Details

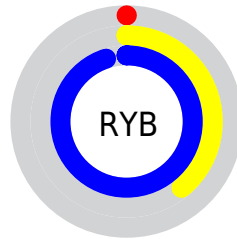
The XYZ color **30.1803, 34.4763, 89.8579** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **39.4837, 24.0967, 2.5722**, and the grayscale version is **19.7876, 20.8181, 22.6709**.

A 20% lighter version of the original color is **50.8681, 63.3103, 104.1468**, and **15.1083, 16.0360, 48.7533** is the 20% darker color. If you saturate the color by 10%, you get **30.1767, 34.4688, 89.8574**, and if you desaturate by 10%, it is **31.9916, 37.5263, 90.3519**.

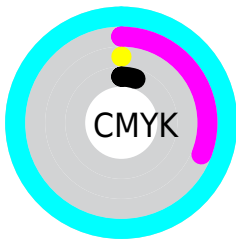
Distribution



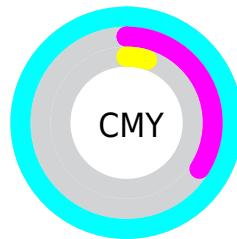
- Red (0%)
- Green (66%)
- Blue (95%)



- Red (0%)
- Yellow (39%)
- Blue (95%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (34%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.1803, 34.4763, 89.8579 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 30.1803, 34.4763, 89.8579 by changing the saturation by 10% instead.

■ 30.1803, 34.4763,
89.8579

■ 30.1803, 34.4763,
89.8579

294.6387,
322.2507, 548.1267

■ 20.1242, 23.2597,
67.2897

■ 59.3319, 66.6737,
149.0748

■ 12.5942, 14.7854,
48.8571

■ 79.1581, 88.4233,
186.5606

■ 7.2248, 8.6689,
34.1413

■ 102.9717,
114.4527, 229.8560

■ 3.6506, 4.5259,
22.7239

■ 131.1381,
145.1463, 279.3797

■ 1.5064, 1.9719,
14.1864

■ 164.0227,
180.8885, 335.5500

■ 0.3302, 0.5910,
8.1102

201.9907,

■ 0.0000, 0.0000,

222.0637, 398.7856

4.0768

245.4076,
269.0563, 469.5050

■ 0.0000, 0.0000,
1.6676

■ 0.0000, 0.0000,
0.3384

■ 30.1803, 34.4763,
89.8579

■ 30.1803, 34.4763,
89.8579

■ 30.1767, 34.4688,
89.8574

■ 31.9916, 37.5263,
90.3519

■ 34.3633, 40.9853,
90.8945

■ 37.4470, 44.9338,
91.4942

■ 41.3329, 49.4202,
92.1553

■ 46.0974, 54.4856,
92.8819

■ 51.8069, 60.1661,
93.6774

■ 58.5215, 66.4943,
94.5450

■ 66.2958, 73.5001,
95.4875

■ 75.1803, 81.2112,
96.5076

Harmonies

Analogous

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



24.6146, 34.4763, 74.8484



30.1803, 34.4763, 89.8579



37.2990, 34.4763, 87.5753

Triad

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



30.1803, 34.4763, 89.8579



47.3459, 34.4763, 26.4393



23.6143, 34.4763, 17.3102

Complementary

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



30.1803, 34.4763, 89.8579



39.4837, 24.0967, 2.5722

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.



28.6209, 34.4763, 11.4796



30.1803, 34.4763, 89.8579



42.5498, 34.4763, 15.2958

Square

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



30.1803, 34.4763, 89.8579



47.9224, 34.4763, 45.6828



35.5010, 34.4763, 10.9055



21.2025, 34.4763, 30.4252

Rectangle

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



30.1803, 34.4763, 89.8579



41.9809, 34.4763, 76.6912



35.5010, 34.4763, 10.9055



25.0135, 34.4763, 14.6704

Sweetspot

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



30.1816, 34.4774, 89.8588



65.2081, 74.1103, 105.4756



33.2527, 64.5826, 17.0078



13.2504, 15.2052, 22.4865



0.0000, 0.0000, 0.0000



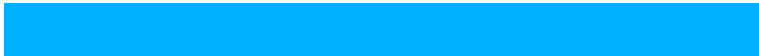
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



30.1816, 34.4774, 89.8588



33.6292, 38.3783, 100.2431



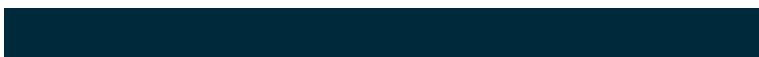
17.2627, 8.6396, 85.5525



16.5399, 17.8440, 21.1151



16.6871, 19.1679, 49.3583



1.5576, 1.8666, 4.3684

Inverse Universe

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



44.0313, 21.8836, 38.9498



49.1036, 24.4055, 43.3394



56.3471, 57.8235, 8.1933



16.9831, 16.6761, 19.6574



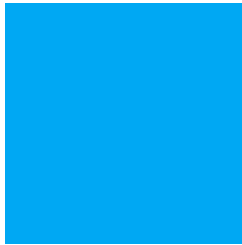
24.2274, 12.0344, 21.7035



2.1753, 1.0761, 2.1493

Previews

White Background



This preview shows how the XYZ color 30.1803, 34.4763, 89.8579 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 30.1803, 34.4763, 89.8579 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

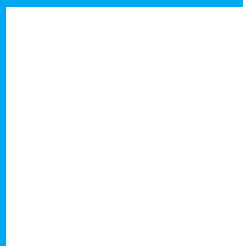
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.1803, 34.4763, 89.8579

Background



This preview shows how black text looks on a background with the XYZ color 30.1803, 34.4763, 89.8579.



This preview shows how white text looks on a background with the XYZ color 30.1803, 34.4763,

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

30.1803, 34.4763, 89.8579

Protanopia

35.8026, 34.1744, 81.0533

Deuteranopia

35.2471, 34.1473, 91.9221



Tritanopia

24.4071, 34.2908, 52.9093

Trichromacy



Original Color

30.1803, 34.4763, 89.8579

Protanomaly

31.3673, 33.0826, 84.0892

Deuteranomaly

31.8248, 33.4219, 91.1599

Tritanomaly

26.1377, 34.0591, 64.8710

Monochromacy



Original Color

30.1803, 34.4763, 89.8579

Achromatopsia

19.8309, 20.8637, 22.7206

Achromatomaly

19.9946, 23.6198, 41.0414

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1803, 34.4763, 89.8579 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(0, 168, 243)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 243)  
}
```

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(0, 168, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 243) }
```

Border

The CSS property to change the border of an element to XYZ 30.1803, 34.4763, 89.8579 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(0, 168, 243) }
```


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

```
.border{ border-color:rgb(0, 168, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 243);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1803, 34.4763, 89.8579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 243) }
```

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

```
.background{ background-color: rgb(0, 168,  
243) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor