

Converting Colors

XYZ(25.8756, 32.2872, 91.0812)

Have a look what the booklet for
XYZ(25.8756, 32.2872, 91.0812)
contains.

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Color

**XYZ(30.4841, 34.5978,
91.4576)**

Conversions

Conversions Part 1

Format	Color
Hex	00A8F5
RGB	0, 168, 245
RGB Percent	0%, 66%, 96%
CMY	0.9997, 0.3412, 0.0392
CMYK	1.00, 0.31, 0.00, 0.04
HSL	199°, 100%, 48%
HSV	199°, 100%, 96%
XYZ	30.4841, 34.5978, 91.4576
YIQ	126.5460, -124.8450, -11.6690

Conversions

Conversions Part 2

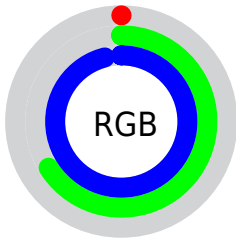
Format	Color
RYB	0, 100, 245
Decimal	43253
CIELab	65.43, -8.76, -48.30
CIELCh	65, 49.088, 259.725
Yxy	34.5978, 0.1947, 0.2210
Android (android.graphics.Color)	4278233333 (0xFF00A8F5)
YUV	126.5460, 58.3978, -110.9808
Hunter-Lab	58.8199, -10.4251, -51.0146

Details

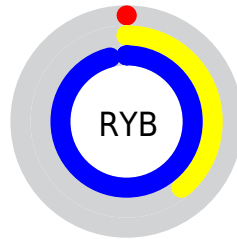
The XYZ color **30.4841, 34.5978, 91.4576** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **40.3160, 24.7310, 2.6508**, and the grayscale version is **19.8627, 20.8971, 22.7570**.

A 20% lighter version of the original color is **50.8681, 63.3103, 104.1468**, and **15.3225, 16.1216, 49.8812** is the 20% darker color. If you saturate the color by 10%, you get **30.4801, 34.5897, 91.4570**, and if you desaturate by 10%, it is **32.3394, 37.7286, 91.9649**.

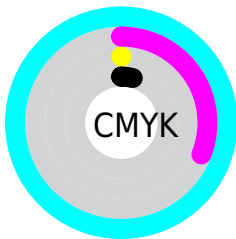
Distribution



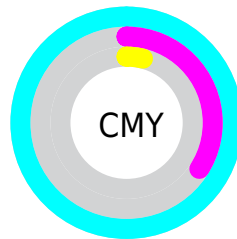
- Red (0%)
- Green (66%)
- Blue (96%)



- Red (0%)
- Yellow (39%)
- Blue (96%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (4%)



- Cyan (100%)
- Magenta (34%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4841, 34.5978, 91.4576 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 30.4841, 34.5978, 91.4576 by changing the saturation by 10% instead.

■ 30.4841, 34.5978,
91.4576

■ 30.4841, 34.5978,
91.4576

296.0240,
322.7895, 553.4530

■ 20.3562, 23.3532,
68.6097

■ 59.8083, 66.8622,
151.3146

■ 12.7640, 14.8545,
49.9241

■ 79.7353, 88.6509,
189.1607

■ 7.3421, 8.7174,
34.9824

■ 103.6595,
114.7230, 232.8434

■ 3.7252, 4.5573,
23.3658

■ 131.9460,
145.4630, 282.7811

■ 1.5479, 1.9899,
14.6560

■ 164.9604,
181.2552, 339.3923

■ 0.3581, 0.6016,
8.4344

203.0680,

■ 0.0000, 0.0000,

222.4841, 403.0957

4.2824

246.6340,
269.5341, 474.3098

■ 0.0000, 0.0000,
1.7815

■ 0.0000, 0.0000,
0.4157

■ 30.4841, 34.5978,
91.4576

■ 30.4841, 34.5978,
91.4576

■ 30.4801, 34.5897,
91.4570

■ 32.3394, 37.7286,
91.9649

■ 34.7692, 41.2822,
92.5227

■ 37.9275, 45.3406,
93.1396

■ 41.9066, 49.9533,
93.8202

■ 46.7844, 55.1624,
94.5686

■ 52.6289, 61.0049,
95.3883

■ 59.5013, 67.5142,
96.2825

■ 67.4574, 74.7209,
97.2542

■ 76.5490, 82.6534,
98.3061

Harmonies

Analogous

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



24.7474, 34.5978, 76.5727



30.4841, 34.5978, 91.4576



37.7637, 34.5978, 88.4480

Triad

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



30.4841, 34.5978, 91.4576



47.6557, 34.5978, 25.8474



23.4414, 34.5978, 17.4665

Complementary

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



30.4841, 34.5978, 91.4576



40.3160, 24.7310, 2.6508

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.



28.4442, 34.5978, 11.3755



30.4841, 34.5978, 91.4576



42.6336, 34.5978, 14.8518

Square

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



30.4841, 34.5978, 91.4576



48.4130, 34.5978, 45.1678



35.4070, 34.5978, 10.6339



21.0914, 34.5978, 31.0535

Rectangle

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



30.4841, 34.5978, 91.4576



42.5130, 34.5978, 76.9648



35.4070, 34.5978, 10.6339



24.8315, 34.5978, 14.7210

Sweetspot

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



30.4854, 34.5989, 91.4585



65.0870, 73.8681, 105.4353



33.8747, 65.7943, 17.3141



13.2214, 15.1472, 22.4768



0.0000, 0.0000, 0.0000



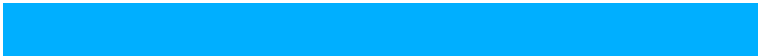
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4854, 34.5989, 91.4585



33.3476, 37.8151, 100.1492



17.5834, 8.7948, 87.1578



16.5317, 17.8276, 21.1123



16.5497, 18.8931, 49.3125



1.5463, 1.8440, 4.3647

Inverse Universe

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



44.7254, 22.2415, 38.9822



48.9615, 24.3486, 42.5909



57.4004, 58.8998, 8.3456



16.9789, 16.6744, 19.6356



24.1580, 12.0066, 21.3383



2.1696, 1.0738, 2.1193

Previews

White Background



This preview shows how the XYZ color 30.4841, 34.5978, 91.4576 looks on a white background.

Color Contrast Check

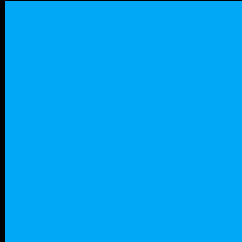
Large Text (above 18pt) WCAG AA × Fail

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 30.4841, 34.5978, 91.4576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

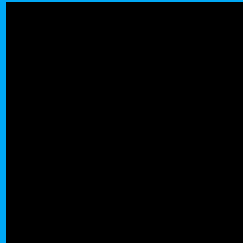
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

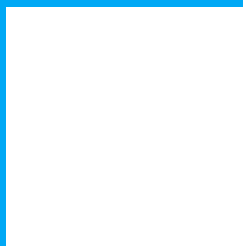
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4841, 34.5978, 91.4576

Background



This preview shows how black text looks on a background with the XYZ color 30.4841, 34.5978, 91.4576.

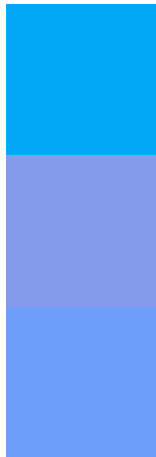


This preview shows how white text looks on a background with the XYZ color 30.4841, 34.5978,

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

30.4841, 34.5978, 91.4576

Protanopia

35.9327, 34.2085, 82.5509

Deuteranopia

35.4458, 34.4841, 92.7836

Trichromacy



Original Color

30.4841, 34.5978, 91.4576

Protanomaly

31.5707, 33.1537, 85.6243

Deuteranomaly

32.0807, 33.7966, 92.0213

Monochromacy



Original Color

30.4841, 34.5978, 91.4576

Achromatopsia

20.1725, 21.2231, 23.1119

Achromatomaly

20.3220, 23.9976, 41.5911

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4841, 34.5978, 91.4576 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, 245)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 245)  
}
```

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, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 245) }
```

Border

The CSS property to change the border of an element to XYZ 30.4841, 34.5978, 91.4576 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, 245) }
```

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

```
.border{ border-color:rgb(0, 168, 245) }
```

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, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 245);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
245) }
```


Background

The CSS property to change the background color of an element to XYZ 30.4841, 34.5978, 91.4576 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, 245) }
```

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

```
.background{ background-color: rgb(0, 168,  
245) }
```

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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