

Converting Colors

XYZ(32.3238, 34.5302, 88.2131)

Have a look what the booklet for
XYZ(32.3238, 34.5302, 88.2131)
contains.

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Color

**XYZ(32.2945, 34.5215,
88.1803)**

Conversions

Conversions Part 1

Format	Color
Hex	4EA4F1
RGB	78, 164, 241
RGB Percent	31%, 64%, 95%
CMY	0.6941, 0.3569, 0.0549
CMYK	0.68, 0.32, 0.00, 0.05
HSL	208°, 85%, 63%
HSV	208°, 68%, 95%
XYZ	32.2945, 34.5215, 88.1803
YIQ	147.0640, -75.9730, 5.7150

Conversions

Conversions Part 2

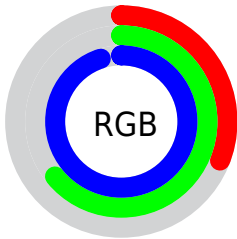
Format	Color
R _Y B	78, 134, 241
Decimal	5154033
CIE Lab	65.37, -1.85, -46.12
CIE LCh	65, 46.160, 267.700
Yxy	34.5215, 0.2084, 0.2227
Android (android.graphics.Color)	4283344113 (0xFF4EA4F1)
YUV	147.0640, 46.3104, -60.5691
Hunter-Lab	58.7550, -4.7093, -47.8547

Details

The XYZ color **32.2945, 34.5215, 88.1803** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **49.3742, 42.6966, 12.8485**, and the grayscale version is **27.5983, 29.0355, 31.6197**.

A 20% lighter version of the original color is **54.5368, 63.6338, 104.0159**, and **14.5569, 15.2709, 47.5278** is the 20% darker color. If you saturate the color by 10%, you get **28.7224, 29.7899, 87.4560**, and if you desaturate by 10%, it is **36.7747, 39.9930, 89.0010**.

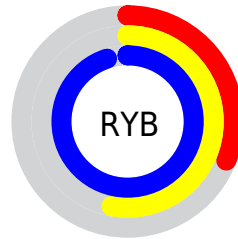
Distribution



Red (31%)

Green (64%)

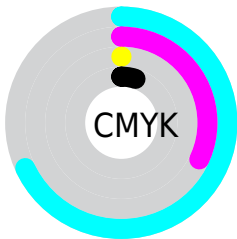
Blue (95%)



Red (31%)

Yellow (53%)

Blue (95%)

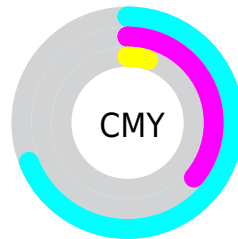


Cyan (68%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (69%)

Magenta (36%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2945, 34.5215, 88.1803 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 32.2945, 34.5215, 88.1803 by changing the saturation by 10% instead.

■ 32.2945, 34.5215,
88.1803

■ 32.2945, 34.5215,
88.1803

304.1801,
322.4512, 542.5101

■ 21.7432, 23.2945,
65.9072

■ 62.6346, 66.7438,
146.7215

■ 13.7839, 14.8111,
47.7411

■ 83.1540, 88.5080,
183.8267

■ 8.0512, 8.6869,
33.2634

■ 107.7269,
114.5533, 226.7130

■ 4.1798, 4.5376,
22.0555

■ 136.7186,
145.2641, 275.7989

■ 1.8043, 1.9786,
13.6990

170.4944,
181.0250, 331.5031

■ 0.5203, 0.5950,
7.7752

209.4197,

■ 0.0000, 0.0000,

222.2202, 394.2440

3.8658

253.8598,
269.2341, 464.4401

■ 0.0000, 0.0000,
1.5520

■ 0.0000, 0.0000,
0.2562

■ 32.2945, 34.5215,
88.1803

■ 32.2945, 34.5215,
88.1803

■ 28.7224, 29.7899,
87.4560

■ 36.7747, 39.9930,
89.0010

■ 25.9663, 25.7423,
86.8200

■ 42.2345, 46.2466,
89.9203

■ 23.9110, 22.3122,
86.2663

■ 48.7422, 53.3246,
90.9435

■ 23.4860, 21.5683,
86.1451

■ 56.3581, 61.2644,
92.0746

■ 65.1380, 70.1008,
93.3175

■ 75.1335, 79.8665,
94.6756

■ 86.3928, 90.5922,
96.1525

■ 92.8773, 99.1309,
97.4588

Harmonies

Analogous

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



26.3648, 34.5215, 78.4767



32.2945, 34.5215, 88.1803



39.2092, 34.5215, 80.9342

Triad

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



32.2945, 34.5215, 88.1803



45.6697, 34.5215, 22.8454



23.0347, 34.5215, 21.0445

Complementary

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



32.2945, 34.5215, 88.1803



49.3742, 42.6966, 12.8485

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.



27.1508, 34.5215, 13.3794



32.2945, 34.5215, 88.1803



40.2320, 34.5215, 14.1412

Square

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



32.2945, 34.5215, 88.1803



47.5322, 34.5215, 39.0967



33.3343, 34.5215, 11.3689



21.4952, 34.5215, 36.1187

Rectangle

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



32.2945, 34.5215, 88.1803



43.3559, 34.5215, 68.4938



33.3343, 34.5215, 11.3689



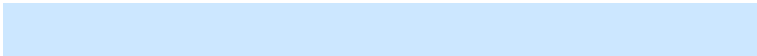
24.1326, 34.5215, 17.7398

Sweetspot

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



32.2958, 34.5227, 88.1812



71.5017, 77.1572, 105.7320



40.4370, 66.8667, 41.3787



14.6926, 15.9014, 22.5448



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.



32.2958, 34.5227, 88.1812



31.4190, 32.1169, 99.1510



22.1472, 14.2255, 84.7983



15.5876, 16.6092, 20.1060



12.8721, 11.9685, 46.7596



1.1704, 1.1948, 3.9232

Inverse Universe

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



45.7020, 26.8315, 37.8931



48.4375, 25.8597, 34.5267



67.5226, 78.9935, 18.8979



16.1213, 15.8982, 18.1948



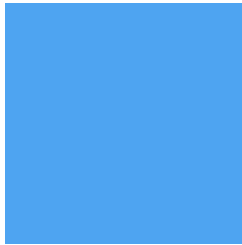
21.8229, 11.0016, 12.2497



1.8657, 0.9353, 1.2837

Previews

White Background



This preview shows how the XYZ color 32.2945, 34.5215, 88.1803 looks on a white background.

Color Contrast Check

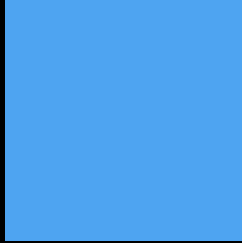
Large Text (above 18pt) WCAG AA × Fail

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 32.2945, 34.5215, 88.1803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

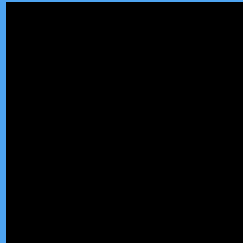
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

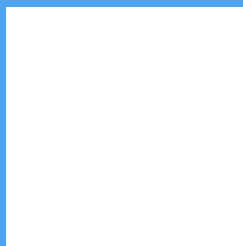
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.2945, 34.5215, 88.1803

Background



This preview shows how black text looks on a background with the XYZ color 32.2945, 34.5215, 88.1803.

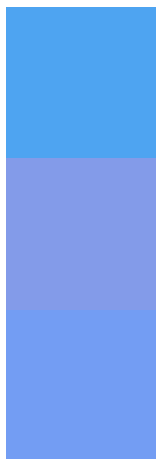


This preview shows how white text looks on a background with the XYZ color 32.2945, 34.5215,

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

32.2945, 34.5215, 88.1803

Protanopia

35.7894, 34.1512, 81.7963

Deuteranopia

35.3049, 34.2298, 89.5403



Tritanopia

25.2094, 34.4165, 52.8913

Trichromacy



Original Color

32.2945, 34.5215, 88.1803

Protanomaly

34.0493, 33.9546, 84.1162

Deuteranomaly

34.0773, 34.3772, 88.8438

Tritanomaly

27.2681, 34.0952, 64.1753

Monochromacy



Original Color

32.2945, 34.5215, 88.1803

Achromatopsia

27.7328, 29.1771, 31.7738

Achromatomaly

27.7578, 30.2562, 48.0931

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.2945, 34.5215, 88.1803 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(78, 164, 241)` looks like.

```
.text, #text, p{  
    color:rgb(78, 164, 241)  
}
```

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(78, 164, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 164, 241) }
```

Border

The CSS property to change the border of an element to XYZ 32.2945, 34.5215, 88.1803 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(78, 164, 241) }
```


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

```
.border{ border-color:rgb(78, 164, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 164, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 164, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 164, 241);  
box-shadow:4px 4px 4px 4px rgb(78, 164,  
241) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2945, 34.5215, 88.1803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 164, 241) }
```

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

```
.background{ background-color: rgb(78, 164,  
241) }
```

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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