

Converting Colors

XYZ(30.0075, 32.0716, 83.7790)

Have a look what the booklet for
XYZ(30.0075, 32.0716, 83.7790)
contains.

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Color

**XYZ(30.0642, 32.1545,
83.9788)**

Conversions

Conversions Part 1

Format	Color
Hex	469FEC
RGB	70, 159, 236
RGB Percent	27%, 62%, 93%
CMY	0.7255, 0.3765, 0.0745
CMYK	0.70, 0.33, 0.00, 0.07
HSL	208°, 81%, 60%
HSV	208°, 70%, 93%
XYZ	30.0642, 32.1545, 83.9788
YIQ	141.1670, -77.7610, 5.0790

Conversions

Conversions Part 2

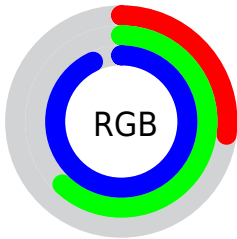
Format	Color
R_{YB}	70, 128, 236
Decimal	4628460
CIE _{Lab}	63.47, -1.87, -46.40
CIE _{LCh}	63, 46.434, 267.692
Yxy	32.1545, 0.2056, 0.2199
Android (android.graphics.Color)	4282818540 (0xFF469FEC)
YUV	141.1670, 46.7527, -62.4135
Hunter-Lab	56.7049, -4.5953, -48.1138

Details

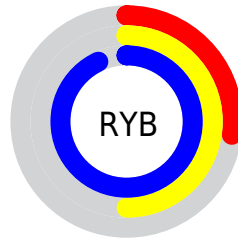
The XYZ color **30.0642, 32.1545, 83.9788** is a light color, and the websafe version is hex **0099FF**. The color can be described as light muted azure. A complement of this color would be **46.1333, 39.1455, 10.9203**, and the grayscale version is **25.2287, 26.5425, 28.9048**.

A 20% lighter version of the original color is **51.9976, 60.0427, 103.4566**, and **13.6008, 14.0204, 45.1694** is the 20% darker color. If you saturate the color by 10%, you get **26.8842, 27.8435, 83.3150**, and if you desaturate by 10%, it is **34.0819, 37.1458, 84.7311**.

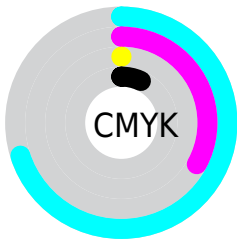
Distribution



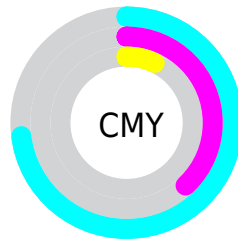
- Red (27%)
- Green (62%)
- Blue (93%)



- Red (27%)
- Yellow (50%)
- Blue (93%)



- Cyan (70%)
- Magenta (33%)
- Yellow (0%)
- Black (7%)



- Cyan (73%)
- Magenta (38%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.0642, 32.1545, 83.9788 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 30.0642, 32.1545, 83.9788 by changing the saturation by 10% instead.

■ 30.0642, 32.1545,
83.9788

■ 30.0642, 32.1545,
83.9788

294.1080,
311.8224, 528.2990

■ 20.0356, 21.4795,
62.4526

■ 59.1496, 63.0532,
140.8070

■ 12.5294, 13.4750,
44.9604

■ 78.9372, 84.0458,
176.9461

■ 7.1800, 7.7564,
31.0835

■ 102.7085,
109.2463, 218.7933

■ 3.6223, 3.9395,
20.4035

■ 130.8288,
139.0392, 266.7670

■ 1.4907, 1.6398,
12.5017

163.6636,
173.8089, 321.2860

■ 0.3195, 0.3842,
6.9596

201.5782,

■ 0.0000, 0.0000,

213.9397, 382.7686

3.3588

244.9379,
259.8161, 451.6334

■ 0.0000, 0.0000,
1.2806

■ 0.0000, 0.0000,
0.0458

■ 30.0642, 32.1545,
83.9788

■ 30.0642, 32.1545,
83.9788

■ 26.8842, 27.8435,
83.3150

■ 34.0819, 37.1458,
84.7311

■ 24.4503, 24.1578,
82.7318

■ 39.0077, 42.8585,
85.5742

■ 22.6688, 21.1128,
82.2380

■ 44.9082, 49.3332,
86.5129

■ 51.8419, 56.6060,
87.5513

■ 59.8627, 64.7101,
88.6928

■ 69.0202, 73.6766,
89.9408

■ 79.3612, 83.5347,
91.2986

■ 89.5134, 93.5822,
92.7029

■ 92.1405, 98.8362,
93.5786

Harmonies

Analogous

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



24.3889, 32.1545, 74.5346



30.0642, 32.1545, 83.9788



36.7093, 32.1545, 76.9315

Triad

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



30.0642, 32.1545, 83.9788



42.9406, 32.1545, 20.9375



21.2149, 32.1545, 19.2245

Complementary

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



30.0642, 32.1545, 83.9788



46.1333, 39.1455, 10.9203

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.



25.1422, 32.1545, 12.0050



30.0642, 32.1545, 83.9788



37.6974, 32.1545, 12.7209

Square

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



30.0642, 32.1545, 83.9788



44.7384, 32.1545, 36.4636



31.0650, 32.1545, 10.1289



19.7495, 32.1545, 33.5971

Rectangle

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



30.0642, 32.1545, 83.9788



40.7056, 32.1545, 64.8506



31.0650, 32.1545, 10.1289



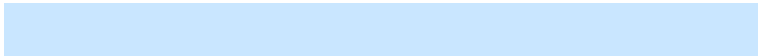
22.2611, 32.1545, 16.1015

Sweetspot

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



30.0654, 32.1556, 83.9796



70.5998, 76.3824, 105.6300



37.6104, 63.3292, 36.9108



14.5212, 15.7584, 22.5263



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.



30.0654, 32.1556, 83.9796



30.7843, 31.3430, 99.0350



20.4134, 12.8515, 80.7623



14.9000, 15.8865, 19.2033



12.6264, 11.8998, 45.3744



1.0876, 1.1267, 3.5950

Inverse Universe

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



43.0413, 24.7178, 35.3043



47.9962, 25.2201, 33.6304



63.3595, 73.5980, 16.6624



15.4031, 15.1891, 17.4080



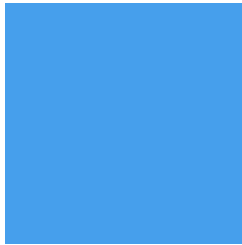
21.2285, 10.6941, 12.2706



1.7155, 0.8592, 1.2191

Previews

White Background



This preview shows how the XYZ color 30.0642, 32.1545, 83.9788 looks on a white background.

Color Contrast Check

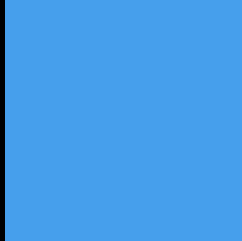
Large Text (above 18pt) WCAG AA × Fail

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 30.0642, 32.1545, 83.9788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

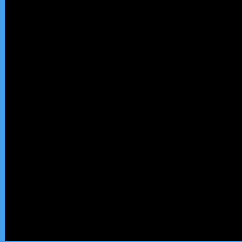
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.0642, 32.1545, 83.9788

Background



This preview shows how black text looks on a background with the XYZ color 30.0642, 32.1545, 83.9788.

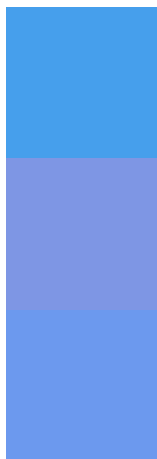


This preview shows how white text looks on a background with the XYZ color 30.0642, 32.1545,

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

30.0642, 32.1545, 83.9788

Protanopia

33.5141, 31.8497, 77.7800

Deuteranopia

33.0082, 32.1437, 85.3535



Tritanopia

23.1119, 31.9890, 49.7561

Trichromacy



Original Color

30.0642, 32.1545, 83.9788

Protanomaly

31.7589, 31.6162, 80.0300

Deuteranomaly

31.6235, 31.9368, 84.6184

Tritanomaly

25.0303, 31.6460, 60.6662

Monochromacy



Original Color

30.0642, 32.1545, 83.9788

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

25.4966, 27.9592, 45.1272

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.0642, 32.1545, 83.9788 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(70, 159, 236)` looks like.

```
.text, #text, p{  
    color:rgb(70, 159, 236)  
}
```

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(70, 159, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 159, 236) }
```

Border

The CSS property to change the border of an element to XYZ 30.0642, 32.1545, 83.9788 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(70, 159, 236) }
```


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

```
.border{ border-color:rgb(70, 159, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 159, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 159, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 159, 236);  
box-shadow:4px 4px 4px 4px rgb(70, 159,  
236) }
```

Background

The CSS property to change the background color of an element to XYZ 30.0642, 32.1545, 83.9788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 159, 236) }
```

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

```
.background{ background-color: rgb(70, 159,  
236) }
```

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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