

Converting Colors

XYZ(30.3672, 33.4586, 89.3511)

Have a look what the booklet for
XYZ(30.3672, 33.4586, 89.3511)
contains.

XYZ(30.4494, 33.5356, 89.6622)	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(30.4494, 33.5356,
89.6622)**

Conversions

Conversions Part 1

Format	Color
Hex	2BA4F3
RGB	43, 164, 243
RGB Percent	17%, 64%, 95%
CMY	0.8313, 0.3569, 0.0471
CMYK	0.82, 0.33, 0.00, 0.05
HSL	204°, 89%, 56%
HSV	204°, 82%, 95%
XYZ	30.4494, 33.5356, 89.6622
YIQ	136.8270, -97.4750, -1.0830

Conversions

Conversions Part 2

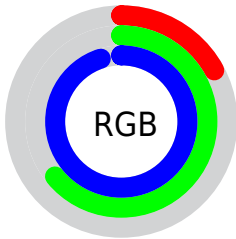
Format	Color
R _Y B	43, 118, 243
Decimal	2860275
CIE Lab	64.59, -5.26, -48.51
CIE LCh	65, 48.794, 263.816
Yxy	33.5356, 0.1982, 0.2183
Android (android.graphics.Color)	4281050355 (0xFF2BA4F3)
YUV	136.8270, 52.3433, -82.2863
Hunter-Lab	57.9099, -7.4860, -51.2620

Details

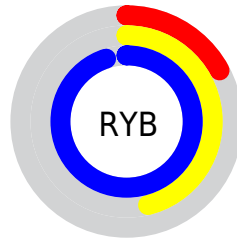
The XYZ color **30.4494, 33.5356, 89.6622** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **44.3608, 33.1533, 6.3486**, and the grayscale version is **23.5504, 24.7769, 26.9820**.

A 20% lighter version of the original color is **51.2667, 61.9480, 103.8629**, and **14.7681, 15.3554, 48.6399** is the 20% darker color. If you saturate the color by 10%, you get **28.0631, 29.8510, 89.0775**, and if you desaturate by 10%, it is **33.5737, 37.7940, 90.3202**.

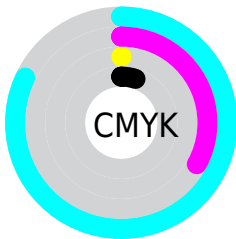
Distribution



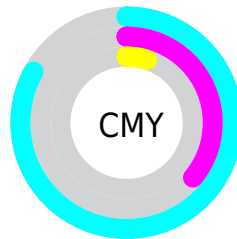
- Red (17%)
- Green (64%)
- Blue (95%)



- Red (17%)
- Yellow (46%)
- Blue (95%)



- Cyan (82%)
- Magenta (33%)
- Yellow (0%)
- Black (5%)



- Cyan (83%)
- Magenta (36%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.4494, 33.5356, 89.6622 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 30.4494, 33.5356, 89.6622 by changing the saturation by 10% instead.

■ 30.4494, 33.5356,
89.6622

■ 30.4494, 33.5356,
89.6622

295.8660,
318.0563, 547.4731

■ 20.3297, 22.5371,
67.1284

■ 59.7539, 65.2108,
148.8005

■ 12.7446, 14.2521,
48.7267

■ 79.6695, 86.6563,
186.2421

■ 7.3287, 8.2962,
34.0387

■ 103.5810,
112.3529, 229.4899

■ 3.7167, 4.2850,
22.6457

■ 131.8539,
142.6850, 278.9627

■ 1.5431, 1.8343,
14.1293

■ 164.8535,
178.0370, 335.0788

■ 0.3549, 0.5084,
8.0709

202.9451,

■ 0.0000, 0.0000,

218.7933, 398.2569

4.0519

246.4942,
265.3383, 468.9155

■ 0.0000, 0.0000,
1.6539

■ 0.0000, 0.0000,
0.3288

■ 30.4494, 33.5356,
89.6622

■ 30.4494, 33.5356,
89.6622

■ 28.0631, 29.8510,
89.0775

■ 33.5737, 37.7940,
90.3202

■ 26.6126, 27.3408,
88.6694

■ 37.5285, 42.6767,
91.0542

■ 42.3955, 48.2302,
91.8696

■ 48.2446, 54.4944,
92.7705

■ 55.1385, 61.5054,
93.7604

■ 63.1343, 69.2963,
94.8427

■ 72.2847, 77.8977,
96.0207

■ 82.6388, 87.3385,
97.2972

■ 91.7266, 96.3487,
98.5574

Harmonies

Analogous

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



24.5842, 33.5356, 77.1928



30.4494, 33.5356, 89.6622



37.6116, 33.5356, 84.2219

Triad

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



30.4494, 33.5356, 89.6622



45.8090, 33.5356, 23.0803



22.2163, 33.5356, 18.1872

Complementary

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



30.4494, 33.5356, 89.6622



44.3608, 33.1533, 6.3486

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.



26.7528, 33.5356, 11.4179



30.4494, 33.5356, 89.6622



40.4801, 33.5356, 13.4355

Square

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



30.4494, 33.5356, 89.6622



47.1794, 33.5356, 40.8173



33.3436, 33.5356, 10.0690



20.2992, 33.5356, 32.5254

Rectangle

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



30.4494, 33.5356, 89.6622



42.1074, 33.5356, 71.8982



33.3436, 33.5356, 10.0690



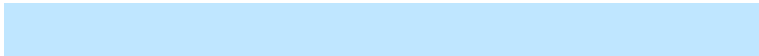
23.4504, 33.5356, 15.1970

Sweetspot

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



30.4507, 33.5367, 89.6631



67.8446, 74.8204, 105.4737



36.4187, 65.9641, 28.4804



13.8446, 15.3562, 22.4843



0.0000, 0.0000, 0.0000



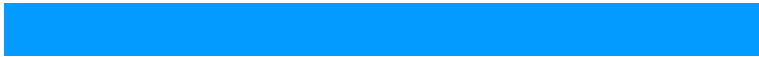
20.3446, 21.4041, 23.3091

Same Dimension

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



30.4507, 33.5367, 89.6631



29.8489, 30.7703, 98.9738



19.1437, 10.9228, 85.8941



16.4153, 17.5949, 21.0735



14.7411, 15.2759, 48.7096



1.3957, 1.5427, 4.3145

Inverse Universe

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



44.5281, 23.4645, 37.3050



47.2071, 23.6911, 33.2157



62.9055, 70.2427, 12.5302



16.9202, 16.6509, 19.3264



23.2451, 11.6415, 16.5311



2.0935, 1.0434, 1.7189

Previews

White Background



This preview shows how the XYZ color 30.4494, 33.5356, 89.6622 looks on a white background.

Color Contrast Check

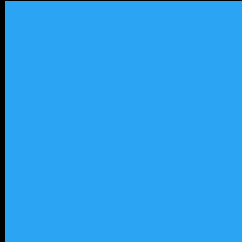
Large Text (above 18pt) WCAG AA × Fail

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 30.4494, 33.5356, 89.6622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

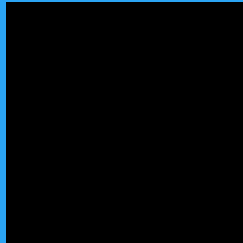
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

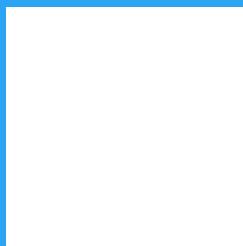
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.4494, 33.5356, 89.6622

Background



This preview shows how black text looks on a background with the XYZ color 30.4494, 33.5356, 89.6622.



This preview shows how white text looks on a background with the XYZ color 30.4494, 33.5356,

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

30.4494, 33.5356, 89.6622

Protanopia

35.0013, 33.2549, 81.6649

Deuteranopia

34.4333, 33.4953, 91.0366



Tritanopia

23.8065, 33.4323, 51.6527

Trichromacy



Original Color

30.4494, 33.5356, 89.6622

Protanomaly

32.2728, 32.7698, 84.7450

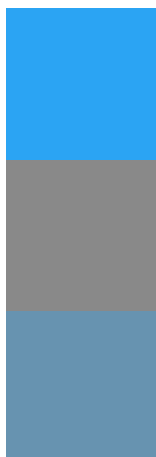
Deuteranomaly

32.3834, 33.2127, 90.2919

Tritanomaly

25.8509, 33.3646, 64.1090

Monochromacy



Original Color

30.4494, 33.5356, 89.6622

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.8637, 26.8856, 45.0060

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.4494, 33.5356, 89.6622 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(43, 164, 243)` looks like.

```
.text, #text, p{  
    color:rgb(43, 164, 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(43, 164, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 164, 243) }
```

Border

The CSS property to change the border of an element to XYZ 30.4494, 33.5356, 89.6622 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(43, 164, 243) }
```


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

```
.border{ border-color:rgb(43, 164, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 164, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 164, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 164, 243);  
box-shadow:4px 4px 4px 4px rgb(43, 164,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 30.4494, 33.5356, 89.6622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 164, 243) }
```

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

```
.background{ background-color: rgb(43, 164,  
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