

Converting Colors

XYZ(31.5373, 34.2231, 91.8014)

Have a look what the booklet for
XYZ(31.5373, 34.2231, 91.8014)
contains.

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Color

**XYZ(31.6652, 34.3763,
92.1551)**

Conversions

Conversions Part 1	
Format	Color
Hex	37A5F6
RGB	55, 165, 246
RGB Percent	22%, 65%, 96%
CMY	0.7843, 0.3529, 0.0353
CMYK	0.78, 0.33, 0.00, 0.04
HSL	205°, 91%, 59%
HSV	205°, 78%, 96%
XYZ	31.6652, 34.3763, 92.1551
YIQ	141.3440, -91.5610, 1.8710

Conversions

Conversions Part 2

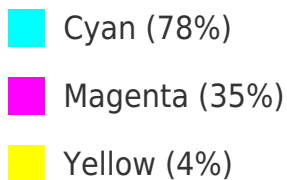
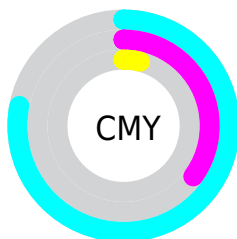
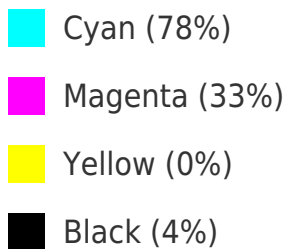
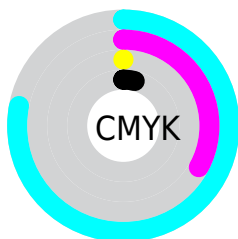
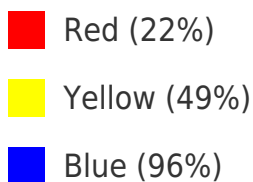
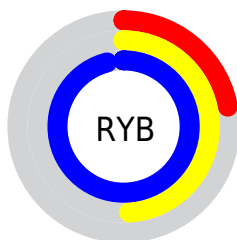
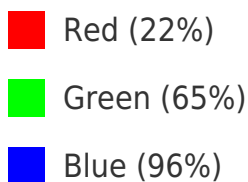
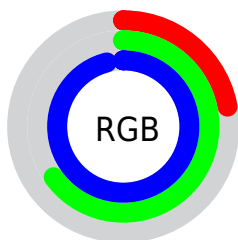
Format	Color
RYB	55, 125, 246
Decimal	3646966
CIELab	65.26, -3.64, -49.08
CIELCh	65, 49.215, 265.757
Yxy	34.3763, 0.2002, 0.2173
Android (android.graphics.Color)	4281837046 (0xFF37A5F6)
YUV	141.3440, 51.5954, -75.7237
Hunter-Lab	58.6313, -6.2017, -52.1485

Details

The XYZ color **31.6652, 34.3763, 92.1551** 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 **47.5025, 37.4813, 8.3473**, and the grayscale version is **25.2841, 26.6008, 28.9683**.

A 20% lighter version of the original color is **52.5453, 62.9956, 103.9977**, and **15.2026, 15.7088, 50.3749** is the 20% darker color. If you saturate the color by 10%, you get **28.8320, 30.2355, 91.5059**, and if you desaturate by 10%, it is **35.3253, 39.1722, 92.8886**.


Distribution




Brightness & Saturation Gradients


These gradients show how the XYZ color 31.6652, 34.3763, 92.1551 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 31.6652, 34.3763, 92.1551 by changing the saturation by 10% instead.


 31.6652, 34.3763,
92.1551


 31.6652, 34.3763,
92.1551


301.3638,
321.8067, 555.7666


 21.2602, 23.1828,
69.1857


 61.6546, 66.5184,
152.2899

 13.4279, 14.7286,
50.3903


 81.9697, 88.2359,
190.2924

 7.8029, 8.6291,
35.3502


 106.3189,
114.2301, 234.1430

 4.0198, 4.5001,
23.6471

 135.0676,
144.8855, 284.2602

 1.7133, 1.9570,
14.8623

168.5810,
180.5864, 341.0627

 0.4646, 0.5823,
8.5772

207.2246,

 0.0000, 0.0000,

221.7174, 404.9689

4.3734

251.3638,
268.6627, 476.3973

■ 0.0000, 0.0000,
1.8324

■ 0.0000, 0.0000,
0.4492

■ 31.6652, 34.3763,
92.1551

■ 31.6652, 34.3763,
92.1551

■ 28.8320, 30.2355,
91.5059

■ 35.3253, 39.1722,
92.8886


■ 26.7013, 26.6790,
90.9317


■ 39.8998, 44.6721,
93.7091


■ 26.2585, 25.9016,
90.8050


■ 45.4679, 50.9225,
94.6221


■ 52.0987, 57.9638,
95.6317

 59.8545, 65.8329,
96.7418

 68.7925, 74.5639,
97.9560

 78.9658, 84.1887,
99.2776

 90.4242, 94.7374,
100.7098

 93.6347, 99.4339,
101.4471

Harmonies

Analogous

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



25.5202, 34.3763, 80.4219



31.6652, 34.3763, 92.1551



39.0316, 34.3763, 85.3797

Triad

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



31.6652, 34.3763, 92.1551



46.7140, 34.3763, 22.7725



22.5595, 34.3763, 19.3326

Complementary

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



31.6652, 34.3763, 92.1551



47.5025, 37.4813, 8.3473

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.



27.0466, 34.3763, 11.9586



31.6652, 34.3763, 92.1551



41.0526, 34.3763, 13.3750

Square

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



31.6652, 34.3763, 92.1551



48.4232, 34.3763, 40.4248



33.7033, 34.3763, 10.2645



20.7733, 34.3763, 34.5868

Rectangle

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



31.6652, 34.3763, 92.1551



43.5668, 34.3763, 72.2462



33.7033, 34.3763, 10.2645



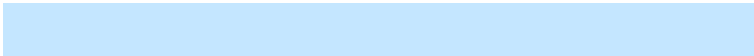
23.7668, 34.3763, 16.1033

Sweetspot

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



31.6665, 34.3774, 92.1560



69.2380, 75.6665, 105.5636



38.8770, 68.4625, 33.9371



14.0910, 15.4782, 22.4949



0.0000, 0.0000, 0.0000



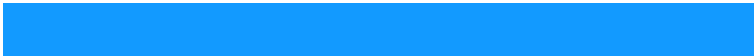
20.3446, 21.4041, 23.3091

Same Dimension

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



31.6665, 34.3774, 92.1560



29.9220, 30.5979, 98.9367



20.4599, 11.9642, 88.4204



16.3737, 17.5117, 21.0597



14.1576, 14.1091, 48.5152



1.3460, 1.4434, 4.2979

Inverse Universe

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



46.1649, 25.0435, 37.9989



47.3218, 24.0349, 32.9015



67.0169, 76.5101, 14.8521



16.8992, 16.6425, 19.2157



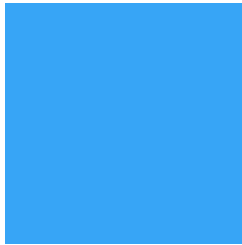
22.9506, 11.5237, 14.9803



2.0685, 1.0334, 1.5869

Previews

White Background



This preview shows how the XYZ color 31.6652, 34.3763, 92.1551 looks on a white background.

Color Contrast Check

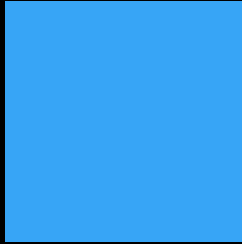
Large Text (above 18pt) WCAG AA × Fail

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 31.6652, 34.3763, 92.1551 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

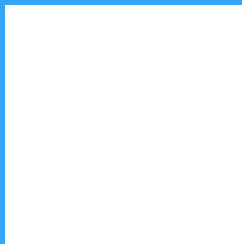
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6652, 34.3763, 92.1551

Background



This preview shows how black text looks on a background with the XYZ color 31.6652, 34.3763, 92.1551.

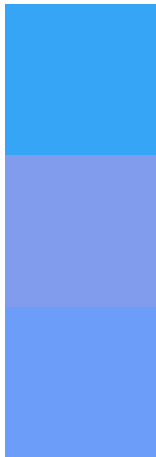


This preview shows how white text looks on a background with the XYZ color 31.6652, 34.3763,

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

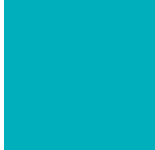
31.6652, 34.3763, 92.1551

Protanopia

36.0607, 34.2242, 84.8261

Deuteranopia

35.1846, 34.0794, 93.5305

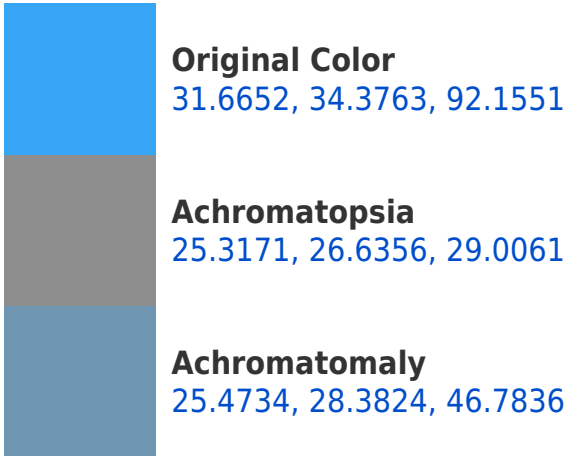


Tritanopia
24.4071, 34.2908, 52.9093

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6652, 34.3763, 92.1551 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(55, 165, 246) looks like.

```
.text, #text, p{  
    color:rgb(55, 165, 246)  
}
```

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(55, 165, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 165, 246) }
```

Border

The CSS property to change the border of an element to XYZ 31.6652, 34.3763, 92.1551 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(55, 165, 246) }
```


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

```
.border{ border-color:rgb(55, 165, 246) }
```

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

Here you see how a box with a 4 pixel rgb(55, 165, 246) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 165, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 165, 246);  
box-shadow:4px 4px 4px 4px rgb(55, 165,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6652, 34.3763, 92.1551 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 165, 246) }
```

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

```
.background{ background-color: rgb(55, 165,  
246) }
```

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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