

Converting Colors

XYZ(34.5998, 31.2308, 90.1982)

Have a look what the booklet for
XYZ(34.5998, 31.2308, 90.1982)
contains.

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Color

**XYZ(34.6455, 31.2153,
90.5853)**

Conversions

Conversions Part 1

Format	Color
Hex	7992F5
RGB	121, 146, 245
RGB Percent	47%, 57%, 96%
CMY	0.5255, 0.4274, 0.0392
CMYK	0.51, 0.40, 0.00, 0.04
HSL	228°, 86%, 72%
HSV	228°, 51%, 96%
XYZ	34.6455, 31.2153, 90.5853
YIQ	149.8110, -46.6790, 25.4890

Conversions

Conversions Part 2

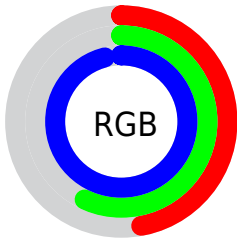
Format	Color
R _Y B	121, 142, 245
Decimal	7967477
CIE Lab	62.69, 17.99, -52.43
CIE LCh	63, 55.433, 288.939
Yxy	31.2153, 0.2215, 0.1995
Android (android.graphics.Color)	4286157557 (0xFF7992F5)
YUV	149.8110, 46.9282, -25.2672
Hunter-Lab	55.8707, 12.9145, -57.0198

Details

The XYZ color **34.6455, 31.2153, 90.5853** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **66.7025, 71.9822, 28.4694**, and the grayscale version is **28.7323, 30.2286, 32.9189**.

A 20% lighter version of the original color is **57.2947, 58.1123, 102.8048**, and **15.1235, 12.9572, 49.2809** is the 20% darker color. If you saturate the color by 10%, you get **28.8762, 24.1416, 89.5247**, and if you desaturate by 10%, it is **41.8049, 39.7723, 91.8603**.

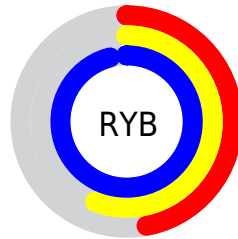
Distribution



Red (47%)

Green (57%)

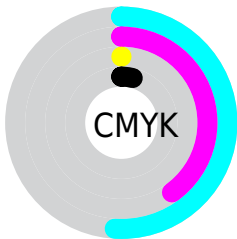
Blue (96%)



Red (47%)

Yellow (56%)

Blue (96%)

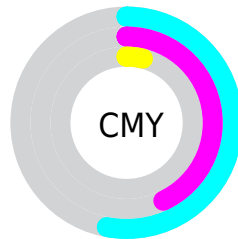


Cyan (51%)

Magenta (40%)

Yellow (0%)

Black (4%)



Cyan (53%)

Magenta (43%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.6455, 31.2153, 90.5853 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 34.6455, 31.2153, 90.5853 by changing the saturation by 10% instead.

■ 34.6455, 31.2153,
90.5853

■ 34.6455, 31.2153,
90.5853

314.5363,
307.5290, 550.5521

■ 23.5552, 20.7628,
67.8897

■ 66.2739, 61.5789,
150.0938

■ 15.1269, 12.9508,
49.3419

■ 87.5426, 82.2588,
187.7437

■ 8.9954, 7.3947,
34.5233

■ 112.9349,
107.1167, 231.2156

■ 4.7953, 3.7101,
23.0153

142.8160,
136.5369, 280.9279

■ 2.1612, 1.5128,
14.3994

177.5514,
170.9038, 337.2991

■ 0.7221, 0.2977,
8.2570

217.5063,

■ 0.0000, 0.0000,

210.6019, 400.7479

4.1697

263.0462,
256.0155, 471.6927

■ 0.0000, 0.0000,
1.7189

■ 0.0000, 0.0000,
0.3736

■ 34.6455, 31.2153,
90.5853

■ 34.6455, 31.2153,
90.5853

■ 28.8762, 24.1416,
89.5247

■ 41.8049, 39.7723,
91.8603

■ 24.3996, 18.4609,
88.6641

■ 50.4354, 49.8893,
93.3582

■ 21.1113, 14.0771,
87.9913

■ 60.6160, 61.6413,
95.0900

■ 18.8875, 10.8798,
87.4913

■ 72.4188, 75.0976,
97.0652

■ 17.5962, 8.8220,
87.1622

■ 85.9115, 90.3232,
99.2929

■ 93.4815, 99.3726,
100.6406

Harmonies

Analogous

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



26.9649, 31.2153, 93.4631



34.6455, 31.2153, 90.5853



42.0450, 31.2153, 69.3555

Triad

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



34.6455, 31.2153, 90.5853



40.2871, 31.2153, 11.2589



17.5600, 31.2153, 26.6055

Complementary

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



34.6455, 31.2153, 90.5853



66.7025, 71.9822, 28.4694

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.



19.9968, 31.2153, 13.3099



34.6455, 31.2153, 90.5853



32.5485, 31.2153, 7.3049

Square

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



34.6455, 31.2153, 90.5853



45.6653, 31.2153, 22.1803



25.1938, 31.2153, 7.8494



17.9272, 31.2153, 49.3824

Rectangle

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



34.6455, 31.2153, 90.5853



45.4202, 31.2153, 51.2654



25.1938, 31.2153, 7.8494



18.0592, 31.2153, 21.1074

Sweetspot

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



34.6467, 31.2164, 90.5861



73.3707, 75.4928, 105.3123



53.2112, 74.4397, 77.9863



15.1239, 15.4964, 22.4439



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.



34.6467, 31.2164, 90.5861



31.3353, 26.0789, 97.9899



37.0566, 27.3505, 89.7129



15.8517, 16.4676, 20.8857



9.5569, 4.9076, 46.9816



0.9097, 0.5708, 4.1525

Inverse Universe

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



49.6830, 35.1642, 31.3637



49.8283, 31.9027, 24.9358



62.6452, 80.3683, 30.3020



16.6357, 16.5371, 17.8282



20.6284, 10.5948, 2.7516



1.8482, 0.9453, 0.4272

Previews

White Background



This preview shows how the XYZ color 34.6455, 31.2153, 90.5853 looks on a white background.

Color Contrast Check

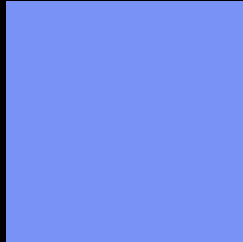
Large Text (above 18pt) WCAG AA × Fail

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 34.6455, 31.2153, 90.5853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

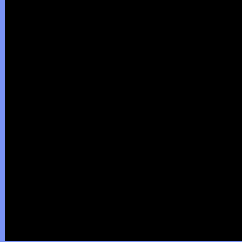
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 34.6455, 31.2153, 90.5853

Background



This preview shows how black text looks on a background with the XYZ color 34.6455, 31.2153, 90.5853.



This preview shows how white text looks on a background with the XYZ color 34.6455, 31.2153,

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

34.6455, 31.2153, 90.5853

Protanopia

34.0605, 31.3400, 92.2497

Deuteranopia

32.3812, 31.4749, 89.9565



Tritanopia

25.4219, 31.1424, 44.7156

Trichromacy



Original Color

34.6455, 31.2153, 90.5853

Protanomaly

34.1385, 31.1661, 91.4051

Deuteranomaly

33.0612, 31.3476, 89.8961

Tritanomaly

28.2577, 31.0112, 59.1400

Monochromacy



Original Color

34.6455, 31.2153, 90.5853

Achromatopsia

28.9890, 30.4987, 33.2131

Achromatomaly

30.1519, 30.4866, 50.1943

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.6455, 31.2153, 90.5853 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(121, 146, 245)` looks like.

```
.text, #text, p{  
    color:rgb(121, 146, 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(121, 146, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 146, 245) }
```

Border

The CSS property to change the border of an element to XYZ 34.6455, 31.2153, 90.5853 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(121, 146, 245) }
```


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

```
.border{ border-color:rgb(121, 146, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 146, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 146, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 146, 245);  
box-shadow:4px 4px 4px 4px rgb(121, 146,  
245) }
```

Background

The CSS property to change the background color of an element to XYZ 34.6455, 31.2153, 90.5853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 146, 245) }
```

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

```
.background{ background-color: rgb(121,  
146, 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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