

Converting Colors

XYZ(31.8761, 33.4451, 65.9424)

Have a look what the booklet for
XYZ(31.8761, 33.4451, 65.9424)
contains.

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Color

**XYZ(31.9162, 33.5144,
65.7595)**

Conversions

Conversions Part 1

Format	Color
Hex	799FD2
RGB	121, 159, 210
RGB Percent	47%, 62%, 82%
CMY	0.5255, 0.3765, 0.1765
CMYK	0.42, 0.24, 0.00, 0.18
HSL	214°, 50%, 65%
HSV	214°, 42%, 82%
XYZ	31.9162, 33.5144, 65.7595
YIQ	153.4520, -39.0190, 7.8050

Conversions

Conversions Part 2

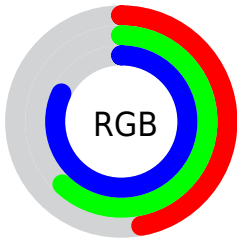
Format	Color
R_{YB}	121, 148, 210
Decimal	7970770
CIE Lab	64.58, 0.22, -30.13
CIE LCh	65, 30.134, 270.427
Yxy	33.5144, 0.2433, 0.2555
Android (android.graphics.Color)	4286160850 (0xFF799FD2)
YUV	153.4520, 27.8782, -28.4604
Hunter-Lab	57.8916, -2.9016, -26.8238

Details

The XYZ color **31.9162, 33.5144, 65.7595** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **44.7830, 44.5883, 24.3366**, and the grayscale version is **30.3706, 31.9523, 34.7960**.

A 20% lighter version of the original color is **60.0011, 64.5432, 103.9034**, and **13.5937, 14.2850, 33.0512** is the 20% darker color. If you saturate the color by 10%, you get **27.3179, 28.2205, 64.9807**, and if you desaturate by 10%, it is **37.3589, 39.5440, 66.6371**.

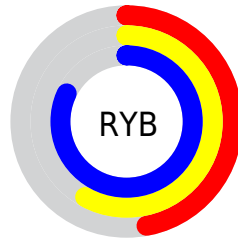
Distribution



Red (47%)

Green (62%)

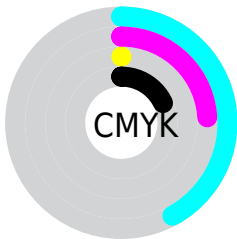
Blue (82%)



Red (47%)

Yellow (58%)

Blue (82%)

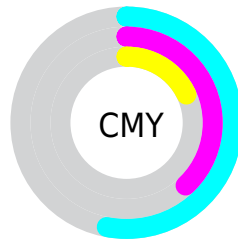


Cyan (42%)

Magenta (24%)

Yellow (0%)

Black (18%)



Cyan (53%)

Magenta (38%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9162, 33.5144, 65.7595 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 31.9162, 33.5144, 65.7595 by changing the saturation by 10% instead.

■ 31.9162, 33.5144,
65.7595

■ 31.9162, 33.5144,
65.7595

302.4894,
317.9613, 463.8970

■ 21.4527, 22.5208,
47.6219

■ 62.0458, 65.1778,
114.7648

■ 13.5697, 14.2401,
33.1697

■ 82.4426, 86.6164,
146.4696

■ 7.9017, 8.2878,
21.9843

■ 106.8812,
112.3055, 183.5339

■ 4.0834, 4.2797,
13.6472

135.7271,
142.6293, 226.3763

■ 1.7494, 1.8312,
7.7397

169.3455,
177.9725, 275.4152

■ 0.4869, 0.5065,
3.8435

208.1017,

■ 0.0000, 0.0000,

218.7193, 331.0693

1.5399

252.3613,
265.2541, 393.7571

■ 0.0000, 0.0000,
0.2474

■ 0.0000, 0.0000,
0.0000

■ 31.9162, 33.5144,
65.7595

■ 31.9162, 33.5144,
65.7595

■ 27.3179, 28.2205,
64.9807

■ 37.3589, 39.5440,
66.6371

■ 23.5127, 23.6255,
64.2943

■ 43.6861, 46.3362,
67.6146

■ 20.4489, 19.6943,
63.6970

■ 50.9397, 53.9210,
68.6963

■ 18.0661, 16.3866,
63.1841

■ 59.1573, 62.3255,
69.8854

■ 16.2928, 13.6556,
62.7504

■ 68.3748, 71.5753,
71.1850

■ 15.2608, 11.9088,
62.4677

■ 78.6259, 81.6951,
72.5981

■ 84.9952, 90.1576,
73.8958

■ 88.6330, 97.4332,
75.1084

Harmonies

Analogous

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



27.9350, 33.5144, 61.2849



31.9162, 33.5144, 65.7595



36.2407, 33.5144, 61.0355

Triad

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



31.9162, 33.5144, 65.7595



39.5521, 33.5144, 25.7384



25.1737, 33.5144, 25.9818

Complementary

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



31.9162, 33.5144, 65.7595



44.7830, 44.5883, 24.3366

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.



27.8372, 33.5144, 19.6068



31.9162, 33.5144, 65.7595



36.1243, 33.5144, 19.4902

Square

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



31.9162, 33.5144, 65.7595



40.8857, 33.5144, 36.3150



31.7927, 33.5144, 17.5243



24.2618, 33.5144, 36.6686

Rectangle

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



31.9162, 33.5144, 65.7595



38.6825, 33.5144, 53.8059



31.7927, 33.5144, 17.5243



25.8813, 33.5144, 23.3579

Sweetspot

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



31.9173, 33.5157, 65.7603



78.1249, 82.7191, 106.4565



38.3249, 53.1158, 46.9786



16.1624, 17.1244, 22.7034



0.0000, 0.0000, 0.0000



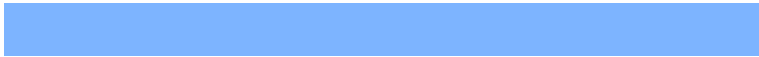
20.3446, 21.4041, 23.3091

Same Dimension

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



31.9173, 33.5157, 65.7603



42.9178, 44.4116, 100.9180



27.2139, 22.8362, 63.9468



11.5727, 12.2357, 14.9954



9.4041, 7.4548, 38.1358



0.6038, 0.5728, 2.1583

Inverse Universe

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



39.6747, 29.8808, 36.4786



56.8542, 39.2293, 48.0106



51.4187, 60.3212, 27.0236



12.0152, 11.8908, 13.3560



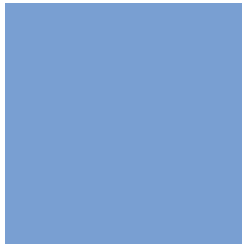
17.3775, 8.8238, 6.8940



1.0110, 0.5091, 0.5927

Previews

White Background



This preview shows how the XYZ color 31.9162, 33.5144, 65.7595 looks on a white background.

Color Contrast Check

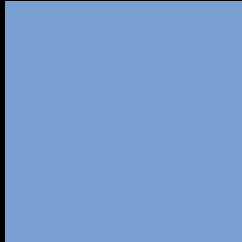
Large Text (above 18pt) WCAG AA × Fail

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 31.9162, 33.5144, 65.7595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

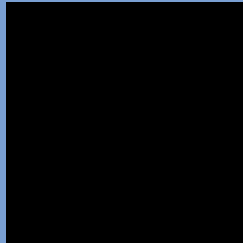
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

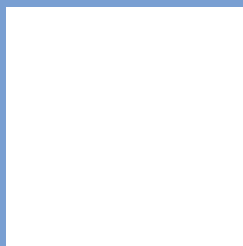
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9162, 33.5144, 65.7595

Background



This preview shows how black text looks on a background with the XYZ color 31.9162, 33.5144, 65.7595.



This preview shows how white text looks on a background with the XYZ color 31.9162, 33.5144,

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

31.9162, 33.5144, 65.7595

Protanopia

33.8515, 33.3182, 63.0394

Deuteranopia

34.1287, 33.3898, 66.2741



Tritanopia

28.1731, 33.5694, 47.1141

Trichromacy



Original Color

31.9162, 33.5144, 65.7595

Protanomaly

32.9825, 33.3503, 63.7304

Deuteranomaly

33.3192, 33.4666, 66.3316

Tritanomaly

29.4617, 33.5569, 53.6395

Monochromacy



Original Color

31.9162, 33.5144, 65.7595

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3458, 32.1614, 44.6528

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9162, 33.5144, 65.7595 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, 159, 210)` looks like.

```
.text, #text, p{  
    color:rgb(121, 159, 210)  
}
```

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, 159, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(121, 159, 210) }
```

Border

The CSS property to change the border of an element to XYZ 31.9162, 33.5144, 65.7595 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, 159, 210) }
```


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

```
.border{ border-color:rgb(121, 159, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(121, 159, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(121, 159, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(121, 159, 210);  
box-shadow:4px 4px 4px 4px rgb(121, 159,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9162, 33.5144, 65.7595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(121, 159, 210) }
```

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

```
.background{ background-color: rgb(121,  
159, 210) }
```

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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