

Converting Colors

XYZ(33.4335, 32.9622, 65.8242)

Have a look what the booklet for
XYZ(33.4335, 32.9622, 65.8242)
contains.

XYZ(33.5050, 33.0827, 65.5925)	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(33.5050, 33.0827,
65.5925)**

Conversions

Conversions Part 1

Format	Color
Hex	899AD2
RGB	137, 154, 210
RGB Percent	54%, 60%, 82%
CMY	0.4627, 0.3961, 0.1765
CMYK	0.35, 0.27, 0.00, 0.18
HSL	226°, 45%, 68%
HSV	226°, 35%, 82%
XYZ	33.5050, 33.0827, 65.5925
YIQ	155.3010, -28.1080, 13.8120

Conversions

Conversions Part 2

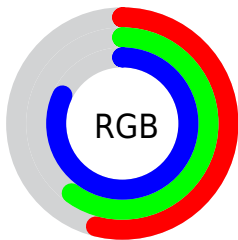
Format	Color
R_{YB}	137, 151, 210
Decimal	9018066
CIE _{Lab}	64.23, 7.40, -30.59
CIE _{LCh}	64, 31.470, 283.592
Yxy	33.0827, 0.2535, 0.2503
Android (android.graphics.Color)	4287208146 (0xFF899AD2)
YUV	155.3010, 26.9666, -16.0500
Hunter-Lab	57.5176, 3.3237, -27.3515

Details

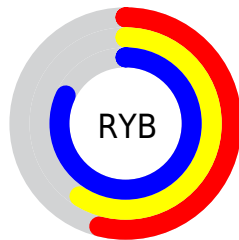
The XYZ color **33.5050, 33.0827, 65.5925** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.1645, 53.6486, 31.3794**, and the grayscale version is **31.1831, 32.8070, 35.7269**.

A 20% lighter version of the original color is **62.3441, 63.5382, 103.5860**, and **14.4228, 13.9519, 32.9432** is the 20% darker color. If you saturate the color by 10%, you get **27.9090, 26.5127, 64.6199**, and if you desaturate by 10%, it is **40.1300, 40.7143, 66.7170**.

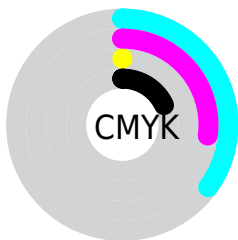
Distribution



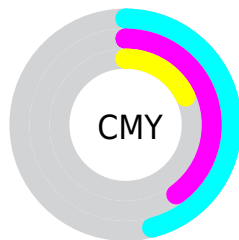
- Red (54%)
- Green (60%)
- Blue (82%)



- Red (54%)
- Yellow (59%)
- Blue (82%)



- Cyan (35%)
- Magenta (27%)
- Yellow (0%)
- Black (18%)



- Cyan (46%)
- Magenta (40%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5050, 33.0827, 65.5925 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 33.5050, 33.0827, 65.5925 by changing the saturation by 10% instead.

■ 33.5050, 33.0827,
65.5925

■ 33.5050, 33.0827,
65.5925

309.5441,
316.0222, 463.2825

■ 22.6747, 22.1898,
47.4873

■ 64.5126, 64.5046,
114.5227

■ 14.4728, 13.9964,
33.0639

■ 85.4205, 85.8024,
146.1847

■ 8.5342, 8.1182,
21.9039

■ 110.4184,
111.3374, 183.2028

■ 4.4933, 4.1707,
13.5887

139.8716,
141.4938, 225.9954

■ 1.9848, 1.7695,
7.6997

174.1454,
176.6561, 274.9812

■ 0.6254, 0.4680,
3.8184

213.6051,

■ 0.0000, 0.0000,

217.2086, 330.5786

1.5262

258.6163,
263.5359, 393.2062

■ 0.0000, 0.0000,
0.2374

■ 0.0000, 0.0000,
0.0000

■ 33.5050, 33.0827,
65.5925

■ 33.5050, 33.0827,
65.5925

■ 27.9090, 26.5127,
64.6199

■ 40.1300, 40.7143,
66.7170

■ 23.2856, 20.9522,
63.7903

■ 47.8299, 49.4488,
67.9971

■ 19.5777, 16.3501,
63.0974

■ 56.6518, 59.3300,
69.4394

■ 16.7208, 12.6492,
62.5336

■ 66.6389, 70.3980,
71.0493

■ 14.6413, 9.7854,
62.0905

■ 77.8322, 82.6910,
72.8322

■ 13.2513, 7.6848,
61.7583

■ 87.2643, 94.6958,
74.6522

■ 12.7273, 6.8418,
61.6232

■ 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.



29.0810, 33.0827, 65.1273



33.5050, 33.0827, 65.5925



37.7425, 33.0827, 56.9232

Triad

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



33.5050, 33.0827, 65.5925



38.0804, 33.0827, 21.5895



23.9071, 33.0827, 29.5134

Complementary

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



33.5050, 33.0827, 65.5925



50.1645, 53.6486, 31.3794

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.



25.8885, 33.0827, 20.9879



33.5050, 33.0827, 65.5925



33.9319, 33.0827, 17.2098

Square

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



33.5050, 33.0827, 65.5925



40.5481, 33.0827, 30.5471



29.4695, 33.0827, 17.0194



23.8163, 33.0827, 42.1136

Rectangle

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



33.5050, 33.0827, 65.5925



39.7766, 33.0827, 48.0999



29.4695, 33.0827, 17.0194



24.3650, 33.0827, 26.1559

Sweetspot

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



33.5061, 33.0840, 65.5933



80.3569, 83.6284, 106.5144



42.9860, 55.2611, 58.8343



16.7891, 17.4395, 22.7312



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.



33.5061, 33.0840, 65.5933



45.1578, 43.3328, 100.5917



34.3804, 29.6603, 64.8864



11.3839, 11.8581, 14.9325



7.8278, 4.3021, 37.6103



0.4999, 0.3650, 2.1237

Inverse Universe

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



41.3577, 33.9272, 34.9419



59.3417, 45.4194, 45.0938



48.9315, 58.9161, 32.4611



11.9199, 11.8527, 12.8542



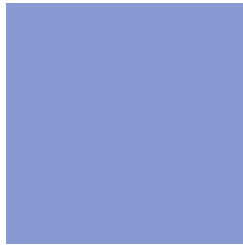
16.5818, 8.5056, 2.7041



0.9585, 0.4881, 0.3165

Previews

White Background



This preview shows how the XYZ color 33.5050, 33.0827, 65.5925 looks on a white background.

Color Contrast Check

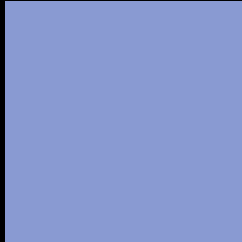
Large Text (above 18pt) WCAG AA × Fail

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 33.5050, 33.0827, 65.5925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

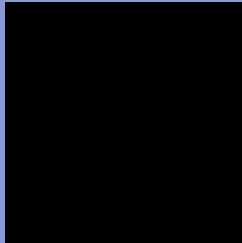
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5050, 33.0827, 65.5925

Background



This preview shows how black text looks on a background with the XYZ color 33.5050, 33.0827, 65.5925.



This preview shows how white text looks on a background with the XYZ color 33.5050, 33.0827,

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

33.5050, 33.0827, 65.5925

Protanopia

33.6716, 32.9246, 65.5532

Deuteranopia

33.8393, 33.0111, 65.5610



Tritanopia

29.4381, 33.2129, 44.9036

Trichromacy



Original Color

33.5050, 33.0827, 65.5925

Protanomaly

33.5053, 32.8389, 65.5454

Deuteranomaly

33.6716, 32.9246, 65.5532

Tritanomaly

30.7122, 32.9471, 51.7544

Monochromacy



Original Color

33.5050, 33.0827, 65.5925

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.6720, 32.8337, 45.2257

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5050, 33.0827, 65.5925 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(137, 154, 210)` looks like.

```
.text, #text, p{  
    color:rgb(137, 154, 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(137, 154, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 154, 210) }
```

Border

The CSS property to change the border of an element to XYZ 33.5050, 33.0827, 65.5925 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(137, 154, 210) }
```


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

```
.border{ border-color:rgb(137, 154, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 154, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 154, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 154, 210);  
box-shadow:4px 4px 4px 4px rgb(137, 154,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5050, 33.0827, 65.5925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 154, 210) }
```

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

```
.background{ background-color: rgb(137,  
154, 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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