

Converting Colors

XYZ(33.5699, 35.1944, 67.0803)

Have a look what the booklet for
XYZ(33.5699, 35.1944, 67.0803)
contains.

XYZ(33.5564, 35.1062, 67.2949)	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(33.5564, 35.1062,
67.2949)**

Conversions

Conversions Part 1

Format	Color
Hex	7FA2D4
RGB	127, 162, 212
RGB Percent	50%, 64%, 83%
CMY	0.5019, 0.3647, 0.1686
CMYK	0.40, 0.24, 0.00, 0.17
HSL	215°, 50%, 66%
HSV	215°, 40%, 83%
XYZ	33.5564, 35.1062, 67.2949
YIQ	157.2350, -36.9100, 8.1300

Conversions

Conversions Part 2

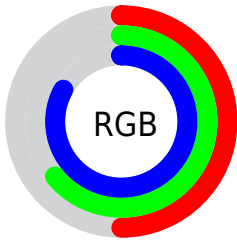
Format	Color
R_{YB}	127, 152, 212
Decimal	8364756
CIE _{Lab}	65.83, 0.66, -29.27
CIE _{LCh}	66, 29.280, 271.301
Yxy	35.1062, 0.2468, 0.2582
Android (android.graphics.Color)	4286554836 (0xFF7FA2D4)
YUV	157.2350, 26.9991, -26.5161
Hunter-Lab	59.2505, -2.5952, -25.8644

Details

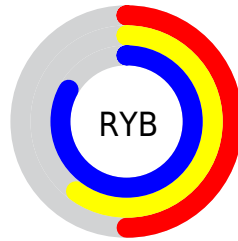
The XYZ color **33.5564, 35.1062, 67.2949** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.7051, 46.9745, 26.6853**, and the grayscale version is **32.0487, 33.7178, 36.7186**.

A 20% lighter version of the original color is **62.1543, 66.7908, 104.2238**, and **14.5179, 15.2197, 34.0708** is the 20% darker color. If you saturate the color by 10%, you get **28.6362, 29.4694, 66.4669**, and if you desaturate by 10%, it is **39.3611, 41.5238, 68.2283**.

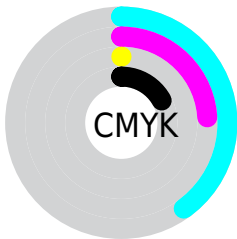
Distribution



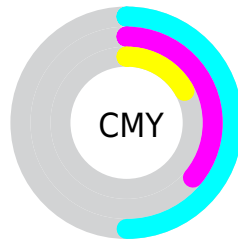
- Red (50%)
- Green (64%)
- Blue (83%)



- Red (50%)
- Yellow (60%)
- Blue (83%)



- Cyan (40%)
- Magenta (24%)
- Yellow (0%)
- Black (17%)



- Cyan (50%)
- Magenta (36%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5564, 35.1062, 67.2949 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 33.5564, 35.1062, 67.2949 by changing the saturation by 10% instead.

■ 33.5564, 35.1062,
67.2949

■ 33.5564, 35.1062,
67.2949

309.7703,
325.0368, 469.5238

■ 22.7143, 23.7447,
48.8612

■ 64.5921, 67.6503,
116.9875

■ 14.5022, 15.1443,
34.1446

■ 85.5164, 89.6016,
149.0836

■ 8.5548, 8.9208,
22.7264

■ 110.5322,
115.8517, 186.5708

■ 4.5067, 4.6895,
14.1882

140.0048,
146.7849, 229.8677

■ 1.9926, 2.0663,
8.1115

174.2996,
182.7856, 279.3930

■ 0.6298, 0.6456,
4.0776

213.7818,

■ 0.0000, 0.0000,

224.2382, 335.5651

1.6680

258.8170,
271.5272, 398.8025

■ 0.0000, 0.0000,
0.3387

■ 0.0000, 0.0000,
0.0000

■ 33.5564, 35.1062,
67.2949

■ 33.5564, 35.1062,
67.2949

■ 28.6362, 29.4694,
66.4669

■ 39.3611, 41.5238,
68.2283

■ 24.5487, 24.5752,
65.7376

■ 46.0912, 48.7502,
69.2684

■ 21.2415, 20.3876,
65.1036

■ 53.7891, 56.8165,
70.4197

■ 18.6545, 16.8651,
64.5601

■ 62.4935, 65.7510,
71.6854

■ 16.7168, 13.9604,
64.1015

■ 72.2407, 75.5805,
73.0690

■ 15.3160, 11.6179,
63.7232

■ 83.0655, 86.3306,
74.5734

■ 87.0912, 93.9484,
75.8316

■ 88.8838, 97.5335,
76.4291

Harmonies

Analogous

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



29.5339, 35.1062, 63.1303



33.5564, 35.1062, 67.2949



37.8734, 35.1062, 62.3784

Triad

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



33.5564, 35.1062, 67.2949



40.9832, 35.1062, 27.1458



26.5963, 35.1062, 27.8975

Complementary

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



33.5564, 35.1062, 67.2949



46.7051, 46.9745, 26.6853

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.



29.2337, 35.1062, 21.2827



33.5564, 35.1062, 67.2949



37.5190, 35.1062, 20.9192

Square

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



33.5564, 35.1062, 67.2949



42.3835, 35.1062, 37.6869



33.1791, 35.1062, 19.0273



25.7302, 35.1062, 38.7675

Rectangle

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



33.5564, 35.1062, 67.2949



40.2819, 35.1062, 55.1185



33.1791, 35.1062, 19.0273



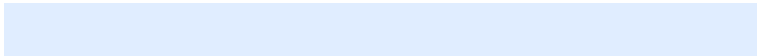
27.2932, 35.1062, 25.1923

Sweetspot

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



33.5576, 35.1075, 67.2957



79.1988, 83.6998, 106.5892



40.1912, 54.7576, 49.8296



16.6117, 17.5606, 22.7639



0.0000, 0.0000, 0.0000



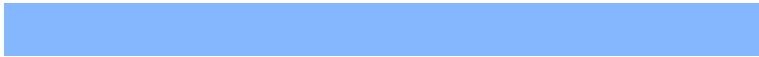
20.3446, 21.4041, 23.3091

Same Dimension

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



33.5576, 35.1075, 67.2957



44.5935, 46.0413, 101.1443



29.3190, 25.0087, 65.5698



12.1584, 12.8402, 15.7751



9.5486, 7.3589, 39.3703



0.6564, 0.6048, 2.4014

Inverse Universe

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



41.2633, 31.7856, 38.1442



58.1202, 41.3447, 49.7172



52.5289, 61.5873, 29.1989



12.6332, 12.5048, 14.0084



17.8785, 9.0877, 6.6644



1.1190, 0.5644, 0.6158

Previews

White Background



This preview shows how the XYZ color 33.5564, 35.1062, 67.2949 looks on a white background.

Color Contrast Check

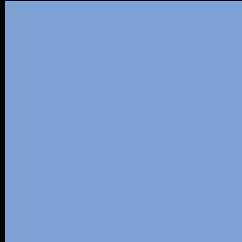
Large Text (above 18pt) WCAG AA × Fail

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 33.5564, 35.1062, 67.2949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

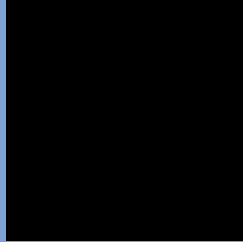
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5564, 35.1062, 67.2949

Background



This preview shows how black text looks on a background with the XYZ color 33.5564, 35.1062, 67.2949.



This preview shows how white text looks on a background with the XYZ color 33.5564, 35.1062,

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

33.5564, 35.1062, 67.2949

Protanopia

35.5895, 35.1682, 65.2340

Deuteranopia

35.7443, 34.9378, 67.8105



Tritanopia

29.9509, 35.2634, 48.9440

Trichromacy



Original Color

33.5564, 35.1062, 67.2949

Protanomaly

34.6785, 34.9384, 65.8888

Deuteranomaly

34.8896, 35.0036, 67.8683

Tritanomaly

31.1767, 35.2158, 55.0233

Monochromacy



Original Color

33.5564, 35.1062, 67.2949

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1880, 34.0816, 46.4769

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5564, 35.1062, 67.2949 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(127, 162, 212)` looks like.

```
.text, #text, p{  
    color:rgb(127, 162, 212)  
}
```

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(127, 162, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 162, 212) }
```

Border

The CSS property to change the border of an element to XYZ 33.5564, 35.1062, 67.2949 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(127, 162, 212) }
```


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

```
.border{ border-color:rgb(127, 162, 212) }
```

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

Here you see how a box with a 4 pixel rgb(127, 162, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 162, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 162, 212);  
box-shadow:4px 4px 4px 4px rgb(127, 162,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5564, 35.1062, 67.2949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 162, 212) }
```

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

```
.background{ background-color: rgb(127,  
162, 212) }
```

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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