

Converting Colors

XYZ(33.3175, 34.2547, 63.8882)

Have a look what the booklet for
XYZ(33.3175, 34.2547, 63.8882)
contains.

XYZ(33.3335, 34.2878, 63.8928)	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(33.3335, 34.2878,
63.8928)**

Conversions

Conversions Part 1

Format	Color
Hex	859FCF
RGB	133, 159, 207
RGB Percent	52%, 62%, 81%
CMY	0.4784, 0.3765, 0.1882
CMYK	0.36, 0.23, 0.00, 0.19
HSL	219°, 44%, 67%
HSV	219°, 36%, 81%
XYZ	33.3335, 34.2878, 63.8928
YIQ	156.6980, -30.9040, 9.4160

Conversions

Conversions Part 2

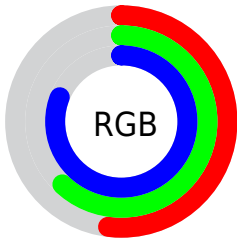
Format	Color
R_{YB}	133, 152, 207
Decimal	8757199
CIE _{Lab}	65.19, 2.64, -27.46
CIE _{LCh}	65, 27.584, 275.498
Yxy	34.2878, 0.2535, 0.2607
Android (android.graphics.Color)	4286947279 (0xFF859FCF)
YUV	156.6980, 24.7989, -20.7831
Hunter-Lab	58.5558, -0.8596, -23.7049

Details

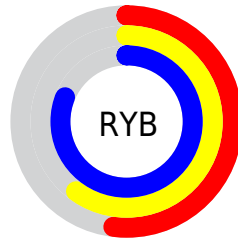
The XYZ color **33.3335, 34.2878, 63.8928** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **46.4904, 48.0074, 29.0076**, and the grayscale version is **31.8153, 33.4722, 36.4512**.

A 20% lighter version of the original color is **62.8356, 66.0045, 104.0361**, and **14.3383, 14.6976, 31.7870** is the 20% darker color. If you saturate the color by 10%, you get **28.1970, 28.3970, 63.0271**, and if you desaturate by 10%, it is **39.3671, 41.0150, 64.8739**.

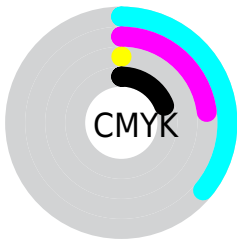
Distribution



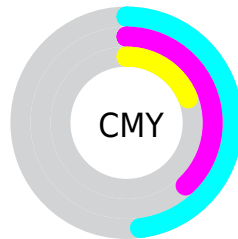
- Red (52%)
- Green (62%)
- Blue (81%)



- Red (52%)
- Yellow (60%)
- Blue (81%)



- Cyan (36%)
- Magenta (23%)
- Yellow (0%)
- Black (19%)



- Cyan (48%)
- Magenta (38%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3335, 34.2878, 63.8928 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 33.3335, 34.2878, 63.8928 by changing the saturation by 10% instead.

■ 33.3335, 34.2878,
63.8928

■ 33.3335, 34.2878,
63.8928

308.7883,
321.4134, 456.9992

■ 22.5425, 23.1148,
46.1182

■ 64.2471, 66.3810,
112.0545

■ 14.3749, 14.6783,
31.9898

■ 85.1003, 88.0699,
143.2787

■ 8.4653, 8.5939,
21.0889

■ 110.0384,
114.0330, 179.8233

■ 4.4484, 4.4773,
12.9972

139.4266,
144.6545, 222.1066

■ 1.9588, 1.9440,
7.2959

173.6304,
180.3189, 270.5474

■ 0.6107, 0.5746,
3.5666

213.0150,

■ 0.0000, 0.0000,

221.4106, 325.5640

1.3907

257.9459,
268.3140, 387.5751

■ 0.0000, 0.0000,
0.1345

■ 0.0000, 0.0000,
0.0000

■ 33.3335, 34.2878,
63.8928

■ 33.3335, 34.2878,
63.8928

■ 28.1970, 28.3970,
63.0271

■ 39.3671, 41.0150,
64.8739

■ 23.9082, 23.3029,
62.2699

■ 46.3370, 48.6077,
65.9721

■ 20.4178, 18.9685,
61.6172

■ 54.2839, 57.0986,
67.1921

■ 17.6697, 15.3516,
61.0639

■ 63.2452, 66.5173,
68.5378

■ 15.5993, 12.4051,
60.6043

■ 73.2561, 76.8920,
70.0127

■ 14.1286, 10.0735,
60.2318

■ 83.5347, 87.8293,
71.5821

■ 13.6275, 9.2348,
60.0963

■ 87.6253, 96.0105,
72.9456

■ 88.2626, 97.2850,
73.1580

Harmonies

Analogous

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



29.4969, 34.2878, 61.2324



33.3335, 34.2878, 63.8928



37.2723, 34.2878, 58.3382

Triad

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



33.3335, 34.2878, 63.8928



39.2746, 34.2878, 25.9285



26.0682, 34.2878, 28.9083

Complementary

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



33.3335, 34.2878, 63.8928



46.4904, 48.0074, 29.0076

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.



28.3164, 34.2878, 22.0941



33.3335, 34.2878, 63.8928



35.8911, 34.2878, 20.6367

Square

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



33.3335, 34.2878, 63.8928



40.8779, 34.2878, 35.2586



31.8567, 34.2878, 19.3924



25.5049, 34.2878, 39.4884

Rectangle

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



33.3335, 34.2878, 63.8928



39.3617, 34.2878, 51.2819



31.8567, 34.2878, 19.3924



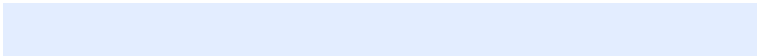
26.6424, 34.2878, 26.1759

Sweetspot

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



33.3346, 34.2891, 63.8936



79.9407, 83.9986, 106.6078



40.2113, 52.9028, 51.2017



16.7416, 17.5841, 22.7616



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.



33.3346, 34.2891, 63.8936



46.9036, 47.5011, 101.3043



30.9558, 27.1091, 62.6331



11.4986, 12.0875, 14.9707



8.6667, 5.9800, 37.8900



0.5583, 0.4819, 2.1432

Inverse Universe

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



40.3786, 32.5448, 36.9558



60.0577, 45.0734, 50.8140



49.6081, 58.2081, 30.8122



11.9778, 11.8759, 13.1590



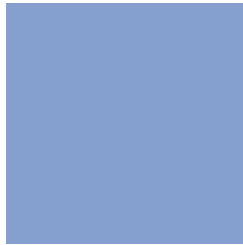
17.0053, 8.6749, 4.9339



0.9881, 0.4999, 0.4719

Previews

White Background



This preview shows how the XYZ color 33.3335, 34.2878, 63.8928 looks on a white background.

Color Contrast Check

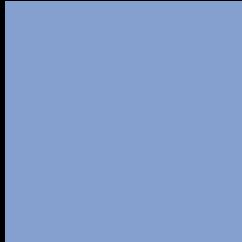
Large Text (above 18pt) WCAG AA × Fail

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 33.3335, 34.2878, 63.8928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

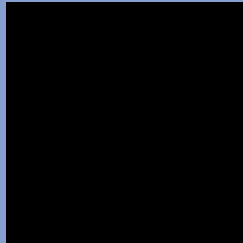
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

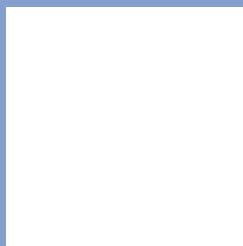
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3335, 34.2878, 63.8928

Background



This preview shows how black text looks on a background with the XYZ color 33.3335, 34.2878, 63.8928.



This preview shows how white text looks on a background with the XYZ color 33.3335, 34.2878,

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

33.3335, 34.2878, 63.8928

Protanopia

34.5850, 34.2045, 62.5369

Deuteranopia

34.9606, 34.1077, 64.4153



Tritanopia

29.9155, 34.2009, 47.1442

Trichromacy



Original Color

33.3335, 34.2878, 63.8928

Protanomaly

34.1821, 34.2329, 63.1985

Deuteranomaly

34.2581, 33.9937, 64.4304

Tritanomaly

31.1589, 34.1819, 53.0996

Monochromacy



Original Color

33.3335, 34.2878, 63.8928

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1775, 33.8448, 45.3942

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3335, 34.2878, 63.8928 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(133, 159, 207)` looks like.

```
.text, #text, p{  
    color:rgb(133, 159, 207)  
}
```

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(133, 159, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 159, 207) }
```

Border

The CSS property to change the border of an element to XYZ 33.3335, 34.2878, 63.8928 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(133, 159, 207) }
```


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

```
.border{ border-color:rgb(133, 159, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 159, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 159, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 159, 207);  
box-shadow:4px 4px 4px 4px rgb(133, 159,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3335, 34.2878, 63.8928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 159, 207) }
```

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

```
.background{ background-color: rgb(133,  
159, 207) }
```

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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