

Converting Colors

XYZ(35.7912, 34.2088, 58.6885)

Have a look what the booklet for
XYZ(35.7912, 34.2088, 58.6885)
contains.

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Color

**XYZ(35.8006, 34.1751,
58.7424)**

Conversions

Conversions Part 1

Format	Color
Hex	9E99C7
RGB	158, 153, 199
RGB Percent	62%, 60%, 78%
CMY	0.3804, 0.4000, 0.2196
CMYK	0.21, 0.23, 0.00, 0.22
HSL	247°, 29%, 69%
HSV	247°, 23%, 78%
XYZ	35.8006, 34.1751, 58.7424
YIQ	159.7390, -11.7860, 15.3660

Conversions

Conversions Part 2

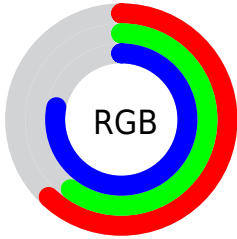
Format	Color
R_{YB}	158, 153, 199
Decimal	10394055
CIE _{Lab}	65.10, 11.52, -22.98
CIE _{LCh}	65, 25.710, 296.619
Y _{xy}	34.1751, 0.2781, 0.2655
Android (android.graphics.Color)	4288584135 (0xFF9E99C7)
YUV	159.7390, 19.3557, -1.5251
Hunter-Lab	58.4595, 7.0094, -18.6553

Details

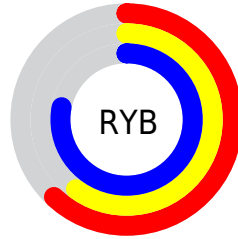
The XYZ color **35.8006, 34.1751, 58.7424** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **48.4224, 54.6169, 38.1285**, and the grayscale version is **33.2121, 34.9417, 38.0515**.

A 20% lighter version of the original color is **67.8034, 65.9918, 103.7718**, and **15.8061, 14.6112, 28.7752** is the 20% darker color. If you saturate the color by 10%, you get **29.5705, 26.5254, 57.5948**, and if you desaturate by 10%, it is **43.0797, 43.1735, 60.0962**.

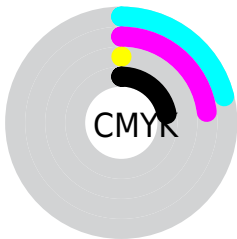
Distribution



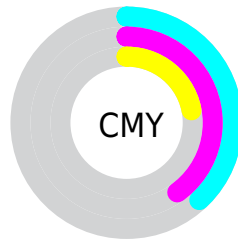
- Red (62%)
- Green (60%)
- Blue (78%)



- Red (62%)
- Yellow (60%)
- Blue (78%)



- Cyan (21%)
- Magenta (23%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (40%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8006, 34.1751, 58.7424 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 35.8006, 34.1751, 58.7424 by changing the saturation by 10% instead.

■ 35.8006, 34.1751,
58.7424

■ 35.8006, 34.1751,
58.7424

319.5346,
320.9121, 437.6219

■ 24.4496, 23.0281,
41.9871

■ 68.0501, 66.2059,
104.5286

■ 15.7940, 14.6143,
28.7657

■ 89.6793, 87.8585,
134.3966

■ 9.4684, 8.5491,
18.6596

115.4653,
113.7818, 169.4727

■ 5.1075, 4.4483,
11.2503

145.7734,
144.3601, 210.1753

■ 2.3459, 1.9274,
6.1191

180.9691,
179.9779, 256.9229

■ 0.8180, 0.5647,
2.8477

221.4176,

■ 0.0000, 0.0000,

221.0196, 310.1342

1.0174

267.4843,
267.8695, 370.2277

■ 0.0000, 0.0000,
0.0000

■ 35.8006, 34.1751,
58.7424

■ 35.8006, 34.1751,
58.7424

■ 29.5705, 26.5254,
57.5948

■ 43.0797, 43.1735,
60.0962

■ 24.3377, 20.1554,
56.6411

■ 51.4497, 53.5770,
61.6631

■ 20.0510, 14.9961,
55.8711

■ 60.9542, 65.4438,
63.4527

■ 16.6534, 10.9706,
55.2732

■ 71.6336, 78.8275,
65.4731

■ 14.0817, 7.9926,
54.8339

■ 83.5261, 93.7791,
67.7323

■ 12.2642, 5.9639,
54.5382

■ 87.3089, 96.9036,
68.1360

■ 11.1164, 4.7671,
54.3676

■ 10.6316, 4.2899,
54.3011

Harmonies

Analogous

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



32.0616, 34.1751, 61.6917



35.8006, 34.1751, 58.7424



38.8421, 34.1751, 49.6850

Triad

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



35.8006, 34.1751, 58.7424



36.5874, 34.1751, 22.5682



25.8404, 34.1751, 36.0135

Complementary

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



35.8006, 34.1751, 58.7424



48.4224, 54.6169, 38.1285

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.



26.8578, 34.1751, 27.0216



35.8006, 34.1751, 58.7424



32.9069, 34.1751, 20.2518

Square

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



35.8006, 34.1751, 58.7424



39.3202, 34.1751, 28.7511



29.3759, 34.1751, 21.7120



26.4872, 34.1751, 47.1860

Rectangle

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



35.8006, 34.1751, 58.7424



39.9656, 34.1751, 42.1659



29.3759, 34.1751, 21.7120



25.9970, 34.1751, 32.6601

Sweetspot

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



35.8017, 34.1765, 58.7432



84.0046, 86.2416, 106.8265



42.8276, 49.6586, 61.3612



17.7866, 18.2182, 22.8290



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.



35.8017, 34.1765, 58.7432



56.6839, 52.4580, 101.7456



40.6636, 36.6829, 58.9707



10.1619, 10.3417, 13.3781



6.8733, 2.7776, 34.9182



0.3624, 0.1506, 1.6551

Inverse Universe

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



44.6831, 38.8210, 56.1784



75.1232, 62.1053, 96.2186



43.0561, 51.8505, 37.8773



11.0315, 10.7960, 13.1493



20.2920, 9.8663, 27.8110



0.9754, 0.4730, 1.3936

Previews

White Background



This preview shows how the XYZ color 35.8006, 34.1751, 58.7424 looks on a white background.

Color Contrast Check

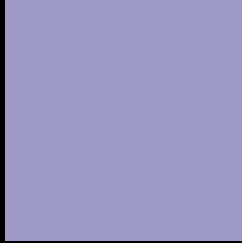
Large Text (above 18pt) WCAG AA × Fail

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 35.8006, 34.1751, 58.7424 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 35.8006, 34.1751, 58.7424

Background



This preview shows how black text looks on a background with the XYZ color 35.8006, 34.1751, 58.7424.



This preview shows how white text looks on a background with the XYZ color 35.8006, 34.1751,

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

35.8006, 34.1751, 58.7424

Protanopia

34.4637, 34.1970, 60.0426

Deuteranopia

34.9790, 34.2416, 58.7985



Tritanopia

32.7144, 34.1663, 43.3986

Trichromacy



Original Color

35.8006, 34.1751, 58.7424

Protanomaly

34.9092, 34.1921, 59.4034

Deuteranomaly

35.1908, 34.1047, 58.7609

Tritanomaly

33.7465, 34.0817, 48.5159

Monochromacy



Original Color

35.8006, 34.1751, 58.7424

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.9950, 34.5409, 44.9197

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8006, 34.1751, 58.7424 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(158, 153, 199)` looks like.

```
.text, #text, p{  
    color:rgb(158, 153, 199)  
}
```

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(158, 153, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 153, 199) }
```

Border

The CSS property to change the border of an element to XYZ 35.8006, 34.1751, 58.7424 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(158, 153, 199) }
```


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

```
.border{ border-color:rgb(158, 153, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 153, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 153, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 153, 199);  
box-shadow:4px 4px 4px 4px rgb(158, 153,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8006, 34.1751, 58.7424 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 153, 199) }
```

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

```
.background{ background-color: rgb(158,  
153, 199) }
```

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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