

Converting Colors

XYZ(35.3021, 33.8382, 61.6734)

Have a look what the booklet for
XYZ(35.3021, 33.8382, 61.6734)
contains.

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Color

**XYZ(35.4272, 33.9144,
61.8057)**

Conversions

Conversions Part 1

Format	Color
Hex	9999CC
RGB	153, 153, 204
RGB Percent	60%, 60%, 80%
CMY	0.4000, 0.4000, 0.2000
CMYK	0.25, 0.25, 0.00, 0.20
HSL	240°, 33%, 70%
HSV	240°, 25%, 80%
XYZ	35.4272, 33.9144, 61.8057
YIQ	158.8140, -16.3710, 15.8610

Conversions

Conversions Part 2

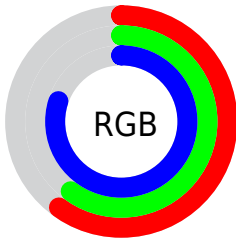
Format	Color
R_{YB}	153, 153, 204
Decimal	10066380
CIE _{Lab}	64.89, 11.15, -26.12
CIE _{LCh}	65, 28.404, 293.115
Yxy	33.9144, 0.2701, 0.2586
Android (android.graphics.Color)	4288256460 (0xFF9999CC)
YUV	158.8140, 22.2767, -5.0989
Hunter-Lab	58.2361, 6.6752, -22.1590

Details

The XYZ color **35.4272, 33.9144, 61.8057** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **52.2450, 58.3234, 38.6420**, and the grayscale version is **32.7775, 34.4845, 37.5536**.

A 20% lighter version of the original color is **66.3752, 65.2555, 103.7050**, and **15.6232, 14.4715, 30.8240** is the 20% darker color. If you saturate the color by 10%, you get **28.8427, 25.9806, 60.6219**, and if you desaturate by 10%, it is **43.2429, 43.3318, 63.2121**.

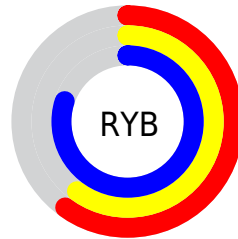
Distribution



Red (60%)

Green (60%)

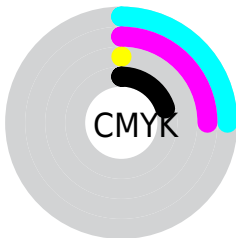
Blue (80%)



Red (60%)

Yellow (60%)

Blue (80%)

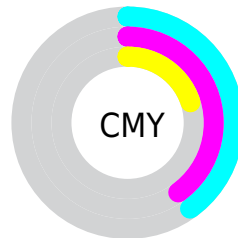


Cyan (25%)

Magenta (25%)

Yellow (0%)

Black (20%)



Cyan (40%)

Magenta (40%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.4272, 33.9144, 61.8057 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 35.4272, 33.9144, 61.8057 by changing the saturation by 10% instead.

■ 35.4272, 33.9144,
61.8057

■ 35.4272, 33.9144,
61.8057

317.9250,
319.7502, 449.2101

■ 24.1602, 22.8278,
44.4409

■ 67.4767, 65.8005,
109.0135

■ 15.5779, 14.4664,
30.6776

■ 88.9899, 87.3689,
139.6937

■ 9.3149, 8.4458,
20.0971

114.6493,
113.2000, 175.6494

■ 5.0059, 4.3815,
12.2808

144.8201,
143.6782, 217.2992

■ 2.2855, 1.8892,
6.8104

179.8677,
179.1879, 265.0616

■ 0.7872, 0.5419,
3.2672

220.1575,

■ 0.0000, 0.0000,

220.1136, 319.3552

1.2326

266.0548,
266.8395, 380.5985

■ 0.0000, 0.0000,
0.0056

■ 0.0000, 0.0000,
0.0000

■ 35.4272, 33.9144,
61.8057

■ 35.4272, 33.9144,
61.8057

■ 28.8427, 25.9806,
60.6219

■ 43.2429, 43.3318,
63.2121

■ 23.4237, 19.4510,
59.6472

■ 52.3447, 54.2988,
64.8492

■ 19.1033, 14.2452,
58.8701

■ 62.7879, 66.8822,
66.7276

■ 15.8063, 10.2726,
58.2771

■ 74.6239, 81.1437,
68.8565

■ 13.4485, 7.4316,
57.8530

■ 87.8992, 97.1397,
71.2444

■ 11.9321, 5.6043,
57.5802

■ 11.1377, 4.6470,
57.4373

■ 10.8992, 4.3597,
57.3944

Harmonies

Analogous

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



31.2995, 33.9144, 64.1590



35.4272, 33.9144, 61.8057



38.9549, 33.9144, 52.1908

Triad

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



35.4272, 33.9144, 61.8057



37.1977, 33.9144, 21.6616



25.0293, 33.9144, 34.2881

Complementary

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



35.4272, 33.9144, 61.8057



52.2450, 58.3234, 38.6420

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.



26.3354, 33.9144, 24.9736



35.4272, 33.9144, 61.8057



33.1882, 33.9144, 18.7522

Square

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



35.4272, 33.9144, 61.8057



40.0361, 33.9144, 28.7592



29.2398, 33.9144, 19.8212



25.5187, 33.9144, 46.5111

Rectangle

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



35.4272, 33.9144, 61.8057



40.3755, 33.9144, 43.8749



29.2398, 33.9144, 19.8212



25.2689, 33.9144, 30.7543

Sweetspot

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



35.4283, 33.9158, 61.8065



83.3529, 85.9058, 106.7960



45.5280, 54.2777, 64.6714



17.6363, 18.1407, 22.8219



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.



35.4283, 33.9158, 61.8065



52.5453, 48.7848, 101.2547



40.5711, 36.5668, 62.0471



10.6018, 10.8440, 14.1047



6.8600, 2.7441, 36.1244



0.3539, 0.1416, 1.8636

Inverse Universe

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



42.0438, 37.9208, 35.2419



65.3464, 56.5346, 49.8519



46.0149, 55.1119, 38.3505



11.2124, 11.2137, 11.6530



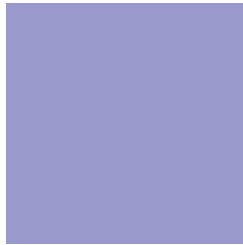
15.6735, 8.0800, 0.7336



0.8086, 0.4168, 0.0379

Previews

White Background



This preview shows how the XYZ color 35.4272, 33.9144, 61.8057 looks on a white background.

Color Contrast Check

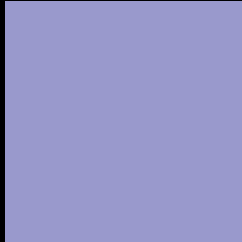
Large Text (above 18pt) WCAG AA × Fail

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 35.4272, 33.9144, 61.8057 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

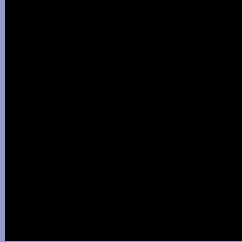
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 35.4272, 33.9144, 61.8057

Background



This preview shows how black text looks on a background with the XYZ color 35.4272, 33.9144, 61.8057.



This preview shows how white text looks on a background with the XYZ color 35.4272, 33.9144,

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

35.4272, 33.9144, 61.8057

Protanopia

34.5306, 34.1625, 63.1666

Deuteranopia

34.8332, 34.0982, 61.8725



Tritanopia

31.8772, 33.9779, 43.9080

Trichromacy



Original Color

35.4272, 33.9144, 61.8057

Protanomaly

34.7734, 34.0535, 62.4978

Deuteranomaly

35.0324, 33.9549, 61.8343

Tritanomaly

33.1031, 33.9642, 50.1584

Monochromacy



Original Color

35.4272, 33.9144, 61.8057

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

33.6995, 34.3772, 45.4167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.4272, 33.9144, 61.8057 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(153, 153, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 153, 204)  
}
```

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(153, 153, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 153, 204) }
```

Border

The CSS property to change the border of an element to XYZ 35.4272, 33.9144, 61.8057 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(153, 153, 204) }
```


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

```
.border{ border-color:rgb(153, 153, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 153, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 153, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 153, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 153,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 35.4272, 33.9144, 61.8057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 153, 204) }
```

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

```
.background{ background-color: rgb(153,  
153, 204) }
```

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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