

Converting Colors

XYZ(33.5721, 32.5110, 62.0972)

Have a look what the booklet for
XYZ(33.5721, 32.5110, 62.0972)
contains.

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Color

**XYZ(33.5877, 32.4703,
62.2547)**

Conversions

Conversions Part 1

Format	Color
Hex	9097CD
RGB	144, 151, 205
RGB Percent	56%, 59%, 80%
CMY	0.4353, 0.4078, 0.1961
CMYK	0.30, 0.26, 0.00, 0.20
HSL	233°, 38%, 68%
HSV	233°, 30%, 80%
XYZ	33.5877, 32.4703, 62.2547
YIQ	155.0630, -21.5060, 15.3100

Conversions

Conversions Part 2

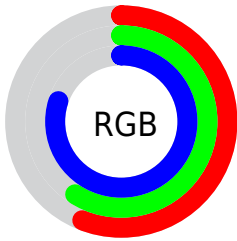
Format	Color
RYB	144, 150, 205
Decimal	9476045
CIELab	63.73, 9.83, -28.53
CIELCh	64, 30.179, 289.016
Yxy	32.4703, 0.2618, 0.2531
Android (android.graphics.Color)	4287666125 (0xFF9097CD)
YUV	155.0630, 24.6189, -9.7023
Hunter-Lab	56.9827, 5.4947, -24.8875

Details

The XYZ color **33.5877, 32.4703, 62.2547** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.4057, 55.3816, 34.4199**, and the grayscale version is **31.0858, 32.7047, 35.6154**.

A 20% lighter version of the original color is **63.4345, 63.0248, 103.4294**, and **14.5567, 13.6240, 31.1406** is the 20% darker color. If you saturate the color by 10%, you get **27.6278, 25.3915, 61.2030**, and if you desaturate by 10%, it is **40.6495, 40.7860, 63.4882**.

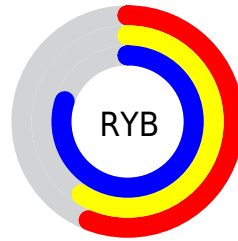
Distribution



Red (56%)

Green (59%)

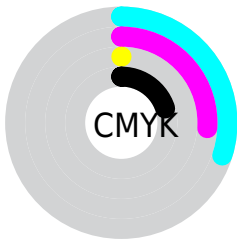
Blue (80%)



Red (56%)

Yellow (59%)

Blue (80%)

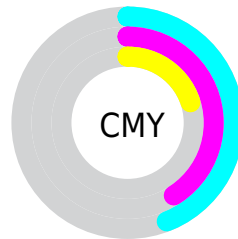


Cyan (30%)

Magenta (26%)

Yellow (0%)

Black (20%)



Cyan (44%)

Magenta (41%)

Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5877, 32.4703, 62.2547 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 33.5877, 32.4703, 62.2547 by changing the saturation by 10% instead.

■ 33.5877, 32.4703,
62.2547

■ 33.5877, 32.4703,
62.2547

309.9081,
313.2561, 450.8928

■ 22.7384, 21.7210,
44.8014

■ 64.6406, 63.5476,
109.6687

■ 14.5201, 13.6520,
30.9592

■ 85.5748, 84.6445,
140.4665

■ 8.5674, 7.8790,
20.3096

110.6015,
109.9592, 176.5496

■ 4.5149, 4.0176,
12.4340

140.0859,
139.8763, 218.3365

■ 1.9974, 1.6834,
6.9139

174.3934,
174.7802, 266.2457

■ 0.6325, 0.4129,
3.3307

213.8894,

■ 0.0000, 0.0000,

215.0551, 320.6958

1.2658

258.9391,
261.0856, 382.1053

■ 0.0000, 0.0000,
0.0336

■ 0.0000, 0.0000,
0.0000

■ 33.5877, 32.4703,
62.2547

■ 33.5877, 32.4703,
62.2547

■ 27.6278, 25.3915,
61.2030

■ 40.6495, 40.7860,
63.4882

■ 22.7109, 19.4865,
60.3224

■ 48.8616, 50.3898,
64.9091

■ 18.7773, 14.6926,
59.6044

■ 58.2736, 61.3349,
66.5256

■ 15.7601, 10.9396,
59.0390

■ 68.9311, 73.6701,
68.3448

■ 13.5840, 8.1492,
58.6151

■ 80.8775, 87.4420,
70.3734

■ 12.1610, 6.2316,
58.3200

■ 88.0195, 97.1878,
71.8781

■ 11.3519, 5.0631,
58.1371

■ 11.3365, 5.0417,
58.1338

Harmonies

Analogous

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



29.3386, 32.4703, 63.4936



33.5877, 32.4703, 62.2547



37.4156, 32.4703, 52.9308

Triad

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



33.5877, 32.4703, 62.2547



36.5075, 32.4703, 20.5291



23.5488, 32.4703, 31.1008

Complementary

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



33.5877, 32.4703, 62.2547



50.4057, 55.3816, 34.4199

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.



25.1223, 32.4703, 22.1763



33.5877, 32.4703, 62.2547



32.4373, 32.4703, 17.0685

Square

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



33.5877, 32.4703, 62.2547



39.2048, 32.4703, 28.2975



28.2880, 32.4703, 17.5933



23.7957, 32.4703, 43.4972

Rectangle

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



33.5877, 32.4703, 62.2547



39.0928, 32.4703, 44.3662



28.2880, 32.4703, 17.5933



23.8762, 32.4703, 27.6543

Sweetspot

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



33.5888, 32.4716, 62.2555



80.9628, 83.6198, 106.4808



43.5134, 53.6645, 61.4211



16.8751, 17.3684, 22.7130



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.



33.5888, 32.4716, 62.2555



48.2801, 45.1973, 100.7871



37.0112, 32.6128, 62.1023



10.7037, 11.0479, 14.1387



7.0932, 3.2105, 36.2021



0.4015, 0.2368, 1.8795

Inverse Universe

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



40.7370, 35.1612, 33.9191



61.9869, 50.5711, 46.4030



46.0672, 55.5754, 34.6860



11.2638, 11.2343, 11.9238



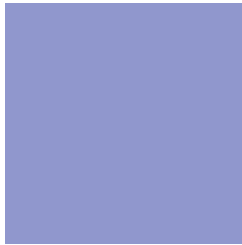
15.7912, 8.1271, 1.3534



0.8326, 0.4265, 0.1645

Previews

White Background



This preview shows how the XYZ color 33.5877, 32.4703, 62.2547 looks on a white background.

Color Contrast Check

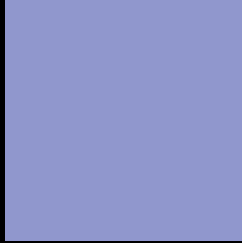
Large Text (above 18pt) WCAG AA × Fail

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 33.5877, 32.4703, 62.2547 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

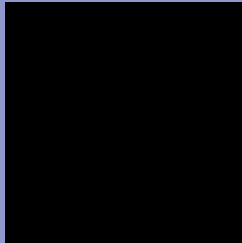
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5877, 32.4703, 62.2547

Background



This preview shows how black text looks on a background with the XYZ color 33.5877, 32.4703, 62.2547.



This preview shows how white text looks on a background with the XYZ color 33.5877, 32.4703,

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

33.5877, 32.4703, 62.2547

Protanopia

33.0163, 32.4017, 62.9065

Deuteranopia

33.2322, 32.5270, 62.2844



Tritanopia

29.7991, 32.6744, 42.7664

Trichromacy



Original Color

33.5877, 32.4703, 62.2547

Protanomaly

33.3533, 32.5754, 62.9223

Deuteranomaly

33.4030, 32.6150, 62.2924

Tritanomaly

31.0838, 32.4370, 49.4224

Monochromacy



Original Color

33.5877, 32.4703, 62.2547

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.8609, 32.7076, 44.1691

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5877, 32.4703, 62.2547 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(144, 151, 205)` looks like.

```
.text, #text, p{  
    color:rgb(144, 151, 205)  
}
```

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(144, 151, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 151, 205) }
```

Border

The CSS property to change the border of an element to XYZ 33.5877, 32.4703, 62.2547 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(144, 151, 205) }
```


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

```
.border{ border-color:rgb(144, 151, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 151, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 151, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 151, 205);  
box-shadow:4px 4px 4px 4px rgb(144, 151,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5877, 32.4703, 62.2547 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 151, 205) }
```

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

```
.background{ background-color: rgb(144,  
151, 205) }
```

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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