

Converting Colors

XYZ(33.4267, 41.3899, 64.6198)

Have a look what the booklet for
XYZ(33.4267, 41.3899, 64.6198)
contains.

XYZ(33.4267, 41.3899, 64.6198)	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(33.4267, 41.3899,
64.6198)**

Conversions

Conversions Part 1

Format	Color
Hex	63B8CE
RGB	99, 184, 206
RGB Percent	39%, 72%, 81%
CMY	0.6117, 0.2784, 0.1922
CMYK	0.52, 0.11, 0.00, 0.19
HSL	192°, 52%, 60%
HSV	192°, 52%, 81%
XYZ	33.4267, 41.3899, 64.6198
YIQ	161.0930, -57.7220, -11.1780

Conversions

Conversions Part 2

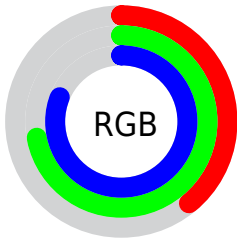
Format	Color
RYB	99, 146, 206
Decimal	6535374
CIELab	70.45, -19.69, -19.02
CIElCh	70, 27.381, 224.013
Yxy	41.3899, 0.2397, 0.2968
Android (android.graphics.Color)	4284725454 (0xFF63B8CE)
YUV	161.0930, 22.1392, -54.4556
Hunter-Lab	64.3350, -19.8425, -14.5180

Details

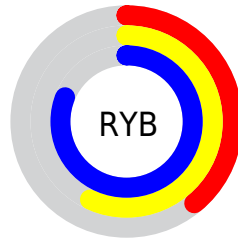
The XYZ color **33.4267, 41.3899, 64.6198** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **34.5441, 27.6985, 15.3314**, and the grayscale version is **33.8403, 35.6026, 38.7713**.

A 20% lighter version of the original color is **63.1147, 76.7083, 106.0874**, and **14.4769, 18.8569, 32.5825** is the 20% darker color. If you saturate the color by 10%, you get **30.5903, 38.6419, 64.2396**, and if you desaturate by 10%, it is **36.8660, 44.4896, 65.0376**.

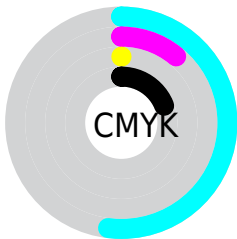
Distribution



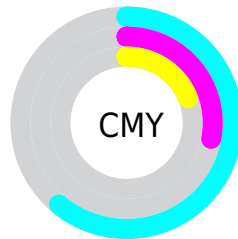
- Red (39%)
- Green (72%)
- Blue (81%)



- Red (39%)
- Yellow (57%)
- Blue (81%)



- Cyan (52%)
- Magenta (11%)
- Yellow (0%)
- Black (19%)



- Cyan (61%)
- Magenta (28%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.4267, 41.3899, 64.6198 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 33.4267, 41.3899, 64.6198 by changing the saturation by 10% instead.

■ 33.4267, 41.3899,
64.6198

■ 33.4267, 41.3899,
64.6198

309.1992,
351.9476, 459.6932

■ 22.6143, 28.6239,
46.7035

■ 64.3914, 77.2754,
113.1111

■ 14.4281, 18.7965,
32.4486

■ 85.2744, 101.1637,
144.5232

■ 8.5027, 11.5233,
21.4367

■ 110.2450,
129.5282, 181.2709

■ 4.4728, 6.4200,
13.2493

■ 139.6685,
162.7533, 223.7728

■ 1.9729, 3.1021,
7.4677

173.9103,
201.2234, 272.4474

■ 0.6187, 1.1853,
3.6734

213.3358,

■ 0.0000, 0.0496,

245.3229, 327.7134

1.4479

258.3103,
295.4361, 389.9891

■ 0.0000, 0.0000,
0.1787

■ 0.0000, 0.0000,
0.0000

■ 33.4267, 41.3899,
64.6198

■ 33.4267, 41.3899,
64.6198

■ 30.5903, 38.6419,
64.2396

■ 36.8660, 44.4896,
65.0376

■ 28.3081, 36.2176,
63.8920

■ 40.9444, 47.9573,
65.4920

■ 26.5301, 34.0915,
63.5753

■ 45.6998, 51.8137,
65.9857

■ 25.1949, 32.2319,
63.2867

■ 51.1658, 56.0765,
66.5204

■ 24.3532, 30.8813,
63.0704

■ 57.3738, 60.7624,
67.0977

■ 64.3533, 65.8866,
67.7189

■ 72.1322, 71.4641,
68.3854

■ 77.4225, 75.7999,
68.9435

■ 78.5342, 78.0232,
69.3141

Harmonies

Analogous

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



31.5113, 41.3899, 51.3518



33.4267, 41.3899, 64.6198



36.9993, 41.3899, 73.4072

Triad

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



33.4267, 41.3899, 64.6198



48.2794, 41.3899, 52.2592



37.2772, 41.3899, 25.0089

Complementary

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



33.4267, 41.3899, 64.6198



34.5441, 27.6985, 15.3314

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.



41.7771, 41.3899, 25.1588



33.4267, 41.3899, 64.6198



48.3682, 41.3899, 39.3163

Square

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



33.4267, 41.3899, 64.6198



45.6783, 41.3899, 65.3926



45.9122, 41.3899, 29.9187



33.6167, 41.3899, 29.4604

Rectangle

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



33.4267, 41.3899, 64.6198



39.9498, 41.3899, 74.6598



45.9122, 41.3899, 29.9187



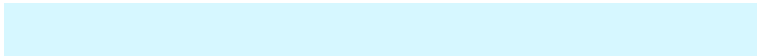
38.7361, 41.3899, 24.5537

Sweetspot

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



33.4280, 41.3915, 64.6208



78.9821, 87.8305, 107.3979



30.6325, 48.1620, 25.5800



16.5120, 18.4922, 22.9490



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.



33.4280, 41.3915, 64.6208



49.2220, 62.2617, 104.0312



24.4172, 23.3698, 61.6172



11.3398, 12.3201, 14.3507



15.0669, 19.1577, 38.8600



0.8280, 1.0898, 2.0216

Inverse Universe

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



38.5683, 25.5075, 48.2397



58.7567, 35.0914, 73.1320



42.8235, 44.2573, 18.0912



11.5849, 11.3627, 13.6146



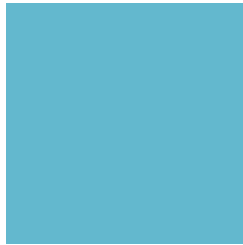
19.8160, 9.7370, 22.5473



1.0479, 0.5126, 1.2980

Previews

White Background



This preview shows how the XYZ color 33.4267, 41.3899, 64.6198 looks on a white background.

Color Contrast Check

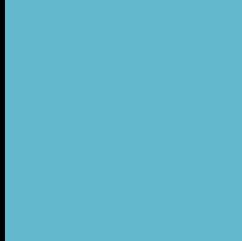
Large Text (above 18pt) WCAG AA × Fail

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 33.4267, 41.3899, 64.6198 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

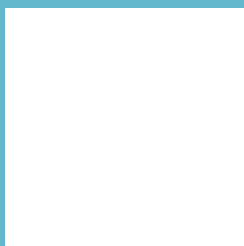
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.4267, 41.3899, 64.6198

Background



This preview shows how black text looks on a background with the XYZ color 33.4267, 41.3899, 64.6198.



This preview shows how white text looks on a background with the XYZ color 33.4267, 41.3899,

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

33.4267, 41.3899, 64.6198

Protanopia

40.3891, 40.9962, 58.6076

Deuteranopia

41.9977, 41.0934, 66.6911



Tritanopia

32.7041, 41.4094, 60.9127

Trichromacy



Original Color

33.4267, 41.3899, 64.6198

Protanomaly

36.9106, 40.5809, 60.5311

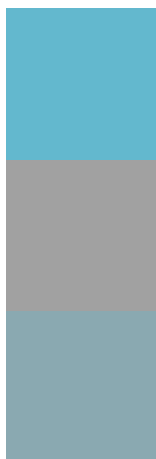
Deuteranomaly

38.1463, 40.8048, 66.1872

Tritanomaly

33.0466, 41.5589, 62.1570

Monochromacy



Original Color

33.4267, 41.3899, 64.6198

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.6050, 36.9535, 47.0093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4267, 41.3899, 64.6198 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(99, 184, 206)` looks like.

```
.text, #text, p{  
    color:rgb(99, 184, 206)  
}
```

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(99, 184, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 184, 206) }
```

Border

The CSS property to change the border of an element to XYZ 33.4267, 41.3899, 64.6198 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(99, 184, 206) }
```


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

```
.border{ border-color:rgb(99, 184, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 184, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 184, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 184, 206);  
box-shadow:4px 4px 4px 4px rgb(99, 184,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4267, 41.3899, 64.6198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 184, 206) }
```

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

```
.background{ background-color: rgb(99, 184,  
206) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor