

Converting Colors

XYZ(33.1840, 35.3650, 49.3356)

Have a look what the booklet for
XYZ(33.1840, 35.3650, 49.3356)
contains.

XYZ(33.2179, 35.3291, 49.3244)	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(33.2179, 35.3291,
49.3244)**

Conversions

Conversions Part 1

Format	Color
Hex	92A2B6
RGB	146, 162, 182
RGB Percent	57%, 64%, 71%
CMY	0.4274, 0.3647, 0.2863
CMYK	0.20, 0.11, 0.00, 0.29
HSL	213°, 20%, 64%
HSV	213°, 20%, 71%
XYZ	33.2179, 35.3291, 49.3244
YIQ	159.4960, -15.9560, 2.8280

Conversions

Conversions Part 2

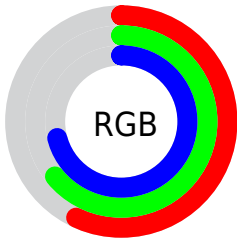
Format	Color
RYB	146, 157, 182
Decimal	9609910
CIELab	66.00, -1.27, -12.22
CIElCh	66, 12.282, 264.053
Yxy	35.3291, 0.2818, 0.2997
Android (android.graphics.Color)	4287799990 (0xFF92A2B6)
YUV	159.4960, 11.0945, -11.8360
Hunter-Lab	59.4383, -4.2598, -7.5945

Details

The XYZ color **33.2179, 35.3291, 49.3244** is a light color, and the websafe version is hex **999999**. A complement of this color would be **38.1162, 39.2928, 32.7702**, and the grayscale version is **33.1386, 34.8644, 37.9674**.

A 20% lighter version of the original color is **64.0649, 68.0781, 90.6527**, and **14.2577, 15.1697, 22.9455** is the 20% darker color. If you saturate the color by 10%, you get **28.5269, 30.3732, 48.6156**, and if you desaturate by 10%, it is **38.5693, 40.8398, 50.1066**.

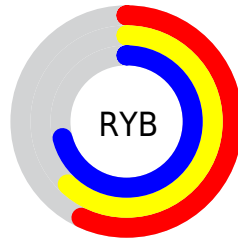
Distribution



Red (57%)

Green (64%)

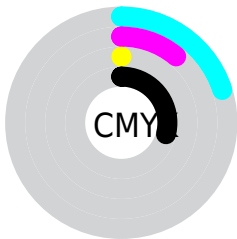
Blue (71%)



Red (57%)

Yellow (62%)

Blue (71%)

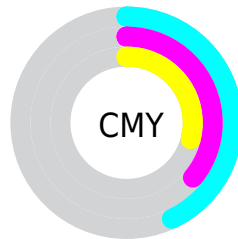


Cyan (20%)

Magenta (11%)

Yellow (0%)

Black (29%)



Cyan (43%)

Magenta (36%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2179, 35.3291, 49.3244 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 33.2179, 35.3291, 49.3244 by changing the saturation by 10% instead.

■ 33.2179, 35.3291,
49.3244

■ 33.2179, 35.3291,
49.3244

308.2781,
326.0186, 400.6771

■ 22.4535, 23.9165,
34.5095

■ 64.0680, 67.9953,
90.5590

■ 14.3089, 15.2717,
23.0047

■ 84.8843, 90.0177,
117.8158

■ 8.4190, 9.0103,
14.3917

109.7820,
116.3454, 150.0570

■ 4.4182, 4.7479,
8.2517

139.1264,
147.3629, 187.7010

■ 1.9414, 2.1001,
4.1664

173.2829,
183.4546, 231.1665

■ 0.6007, 0.6647,
1.7171

212.6167,

■ 0.0000, 0.0000,

225.0048, 280.8720

0.3724

257.4934,
272.3980, 337.2361

■ 0.0000, 0.0000,
0.0000

■ 33.2179, 35.3291,
49.3244

■ 33.2179, 35.3291,
49.3244

■ 28.5269, 30.3732,
48.6156

■ 38.5693, 40.8398,
50.1066

■ 24.4654, 25.9486,
47.9757

■ 44.6039, 46.9192,
50.9620

■ 21.0047, 22.0361,
47.4029

■ 51.3472, 53.5860,
51.8934

■ 18.1126, 18.6138,
46.8947

■ 58.8224, 60.8566,
52.9028

■ 15.7532, 15.6577,
46.4485

■ 67.0517, 68.7469,
53.9920

■ 13.8865, 13.1412,
46.0612

■ 75.9817, 77.2335,
55.1594

■ 12.4655, 11.0340,
45.7293

■ 78.7587, 82.7876,
56.0851

■ 11.4002, 9.2832,
45.4475

■ 81.6996, 88.6695,
57.0654

■ 11.3786, 9.2475,
45.4418

■ 84.8072, 94.8846,
58.1013

Harmonies

Analogous

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



31.5661, 35.3291, 47.1671



33.2179, 35.3291, 49.3244



35.0262, 35.3291, 48.3670

Triad

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



33.2179, 35.3291, 49.3244



36.8781, 35.3291, 34.5244



30.8245, 35.3291, 32.8775

Complementary

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



33.2179, 35.3291, 49.3244



38.1162, 39.2928, 32.7702

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.



32.1727, 35.3291, 30.0201



33.2179, 35.3291, 49.3244



35.6763, 35.3291, 30.9091

Square

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



33.2179, 35.3291, 49.3244



37.1824, 35.3291, 39.5154



33.9432, 35.3291, 29.3333



30.2167, 35.3291, 37.4381

Rectangle

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



33.2179, 35.3291, 49.3244



36.0724, 35.3291, 46.1312



33.9432, 35.3291, 29.3333



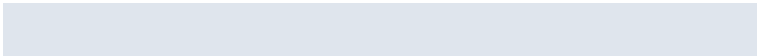
31.2037, 35.3291, 31.7031

Sweetspot

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



33.2190, 35.3305, 49.3252



73.8025, 77.9734, 91.3963



35.4473, 42.3134, 42.2800



16.1471, 17.0667, 20.1648



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.2190, 35.3305, 49.3252



56.1440, 59.7729, 88.8139



30.8997, 30.2132, 48.4597



8.8409, 9.3590, 11.4199



8.0996, 6.6589, 32.1115



0.3474, 0.3585, 1.1526

Inverse Universe

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



36.0927, 33.1123, 38.6731



62.4277, 55.2010, 65.4603



40.7859, 45.2592, 33.7811



9.1660, 9.0768, 10.2217



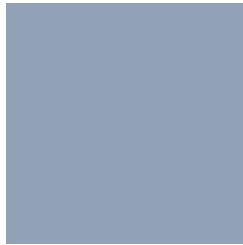
14.7020, 7.4546, 6.3174



0.5495, 0.2753, 0.3872

Previews

White Background



This preview shows how the XYZ color 33.2179, 35.3291, 49.3244 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 33.2179, 35.3291, 49.3244 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

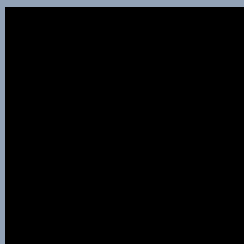
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

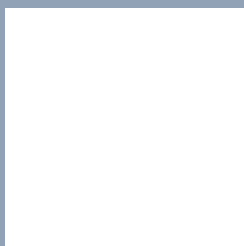
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2179, 35.3291, 49.3244

Background



This preview shows how black text looks on a background with the XYZ color 33.2179, 35.3291, 49.3244.



This preview shows how white text looks on a background with the XYZ color 33.2179, 35.3291,

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

33.2179, 35.3291, 49.3244

Protanopia

34.5410, 35.2597, 48.1653

Deuteranopia

35.9528, 35.1952, 49.6982



Tritanopia

32.6107, 35.3487, 46.1785

Trichromacy



Original Color

33.2179, 35.3291, 49.3244

Protanomaly

34.0482, 35.2501, 48.7255

Deuteranomaly

34.8747, 35.1417, 49.7447

Tritanomaly

32.8101, 35.4285, 47.2286

Monochromacy



Original Color

33.2179, 35.3291, 49.3244

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.8723, 34.8017, 41.5441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2179, 35.3291, 49.3244 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(146, 162, 182)` looks like.

```
.text, #text, p{  
    color:rgb(146, 162, 182)  
}
```

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(146, 162, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 162, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.2179, 35.3291, 49.3244 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(146, 162, 182) }
```


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

```
.border{ border-color:rgb(146, 162, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 162, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 162, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 162, 182);  
box-shadow:4px 4px 4px 4px rgb(146, 162,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2179, 35.3291, 49.3244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 162, 182) }
```

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

```
.background{ background-color: rgb(146,  
162, 182) }
```

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