

Converting Colors

XYZ(28.7699, 36.3163, 35.8280)

Have a look what the booklet for
XYZ(28.7699, 36.3163, 35.8280)
contains.

XYZ(28.7194, 36.3246, 35.6347)	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(28.7194, 36.3246,
35.6347)**

Conversions

Conversions Part 1

Format	Color
Hex	7AAD99
RGB	122, 173, 153
RGB Percent	48%, 68%, 60%
CMY	0.5216, 0.3216, 0.4000
CMYK	0.29, 0.00, 0.12, 0.32
HSL	156°, 24%, 58%
HSV	156°, 29%, 68%
XYZ	28.7194, 36.3246, 35.6347
YIQ	155.4710, -23.9760, -17.0320

Conversions

Conversions Part 2

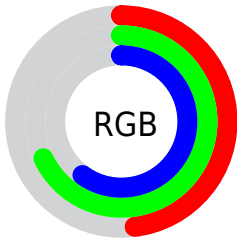
Format	Color
RYB	122, 154, 173
Decimal	8039833
CIELab	66.77, -21.24, 4.88
CIELCh	67, 21.790, 167.072
Yxy	36.3246, 0.2853, 0.3608
Android (android.graphics.Color)	4286229913 (0xFF7AAD99)
YUV	155.4710, -1.2182, -29.3541
Hunter-Lab	60.2699, -20.4147, 7.1336

Details

The XYZ color **28.7194, 36.3246, 35.6347** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **29.0769, 24.7573, 28.8388**, and the grayscale version is **31.3782, 33.0123, 35.9504**.

A 20% lighter version of the original color is **57.1863, 69.7737, 69.4851**, and **11.7133, 15.7318, 14.9896** is the 20% darker color. If you saturate the color by 10%, you get **25.9401, 34.9557, 32.6625**, and if you desaturate by 10%, it is **31.9687, 37.9340, 38.7969**.

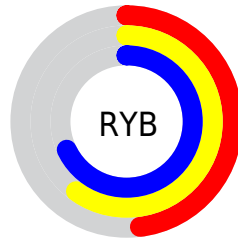
Distribution



Red (48%)

Green (68%)

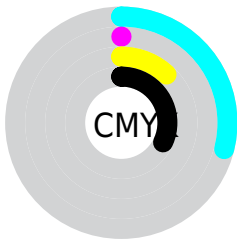
Blue (60%)



Red (48%)

Yellow (60%)

Blue (68%)

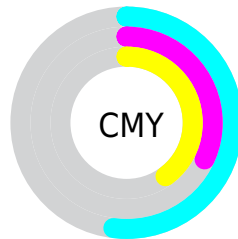


Cyan (29%)

Magenta (0%)

Yellow (12%)

Black (32%)



Cyan (52%)

Magenta (32%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.7194, 36.3246, 35.6347 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 28.7194, 36.3246, 35.6347 by changing the saturation by 10% instead.

■ 28.7194, 36.3246,
35.6347

■ 28.7194, 36.3246,
35.6347

287.9068,
330.3771, 342.3500

■ 19.0119, 24.6850,
23.8647

■ 57.0316, 69.5328,
69.6305

■ 11.7829, 15.8425,
15.0220

■ 76.3670, 91.8702,
92.6935

■ 6.6672, 9.4128,
8.6881

■ 99.6424, 118.5422,
120.3579

■ 3.2993, 5.0114,
4.4443

127.2232,
149.9334, 153.0423

■ 1.3140, 2.2539,
1.8721

159.4746,
186.4281, 191.1651

■ 0.1936, 0.7492,
0.4749

196.7622,

■ 0.0000, 0.0000,

228.4107, 235.1450

0.0000

239.4511,
276.2655, 285.4005

■ 28.7194, 36.3246,
35.6347

■ 28.7194, 36.3246,
35.6347

■ 25.9401, 34.9557,
32.6625

■ 31.9687, 37.9340,
38.7969

■ 23.6041, 33.8108,
29.8738

■ 35.7069, 39.7908,
42.1502

■ 21.6865, 32.8780,
27.2656

■ 39.9555, 41.9069,
45.6990

■ 20.1589, 32.1427,
24.8336

■ 44.7338, 44.2922,
49.4469

■ 18.9888, 31.5883,
22.5733

■ 50.0602, 46.9561,
53.3971

■ 18.1383, 31.1953,
20.4799

■ 55.9519, 49.9076,
57.5530

■ 17.5314, 30.9246,
18.5467

■ 62.4257, 53.1550,
61.9176

■ 17.5020, 30.9115,
18.4503

■ 67.4811, 55.6672,
66.3998

■ 68.3302, 56.0068,
70.8713

Harmonies

Analogous

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



30.0974, 36.3246, 28.4505



28.7194, 36.3246, 35.6347



28.8242, 36.3246, 45.1120

Triad

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



28.7194, 36.3246, 35.6347



36.4161, 36.3246, 59.5217



39.0158, 36.3246, 27.7133

Complementary

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



28.7194, 36.3246, 35.6347



29.0769, 24.7573, 28.8388

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.



40.9328, 36.3246, 34.4674



28.7194, 36.3246, 35.6347



39.3677, 36.3246, 53.2187

Square

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



28.7194, 36.3246, 35.6347



33.1293, 36.3246, 59.9681



41.0656, 36.3246, 43.7449



35.9602, 36.3246, 24.3905

Rectangle

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



28.7194, 36.3246, 35.6347



29.7199, 36.3246, 51.5090



41.0656, 36.3246, 43.7449



39.8230, 36.3246, 29.6042

Sweetspot

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



28.7204, 36.3261, 35.6355



64.1778, 71.3755, 75.6855



29.6817, 37.0801, 24.0058



13.7289, 15.4029, 16.2588



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



28.7204, 36.3261, 35.6355



48.2850, 63.5017, 60.5147



29.5542, 35.1245, 44.7589



8.1012, 9.0181, 9.5581



12.8859, 22.7196, 13.7049



0.3843, 0.6424, 0.5174

Inverse Universe

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



29.0769, 24.7573, 28.8388



49.0241, 39.5868, 46.4758



28.3499, 25.4949, 21.8398



8.1304, 8.0654, 8.9977



13.4502, 6.8426, 4.7501



0.4015, 0.2013, 0.2762

Previews

White Background



This preview shows how the XYZ color 28.7194, 36.3246, 35.6347 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 28.7194, 36.3246, 35.6347 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 28.7194, 36.3246, 35.6347

Background



This preview shows how black text looks on a background with the XYZ color 28.7194, 36.3246, 35.6347.



This preview shows how white text looks on a background with the XYZ color 28.7194, 36.3246,

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

28.7194, 36.3246, 35.6347

Protanopia

34.1598, 35.9212, 32.7368

Deuteranopia

36.4796, 35.7609, 36.4324



Tritanopia

31.5336, 36.3425, 49.6088

Trichromacy



Original Color

28.7194, 36.3246, 35.6347

Protanomaly

31.6424, 35.6595, 33.6490

Deuteranomaly

32.9373, 35.4763, 36.1220

Tritanomaly

30.3296, 36.1253, 43.9024

Monochromacy



Original Color

28.7194, 36.3246, 35.6347

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.0808, 34.0134, 35.5517

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.7194, 36.3246, 35.6347 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(122, 173, 153)` looks like.

```
.text, #text, p{  
    color:rgb(122, 173, 153)  
}
```

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(122, 173, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 173, 153) }
```

Border

The CSS property to change the border of an element to XYZ 28.7194, 36.3246, 35.6347 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(122, 173, 153) }
```


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

```
.border{ border-color:rgb(122, 173, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 173, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 173, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 173, 153);  
box-shadow:4px 4px 4px 4px rgb(122, 173,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 28.7194, 36.3246, 35.6347 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 173, 153) }
```

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

```
.background{ background-color: rgb(122,  
173, 153) }
```

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