

Converting Colors

XYZ(23.6900, 28.4330, 35.6031)

Have a look what the booklet for
XYZ(23.6900, 28.4330, 35.6031)
contains.

XYZ(23.6987, 28.4340, 35.6917)	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(23.6987, 28.4340,
35.6917)**

Conversions

Conversions Part 1

Format	Color
Hex	6D999C
RGB	109, 153, 156
RGB Percent	43%, 60%, 61%
CMY	0.5725, 0.4000, 0.3882
CMYK	0.30, 0.02, 0.00, 0.39
HSL	184°, 19%, 52%
HSV	184°, 30%, 61%
XYZ	23.6987, 28.4340, 35.6917
YIQ	140.1860, -27.1870, -8.3950

Conversions

Conversions Part 2

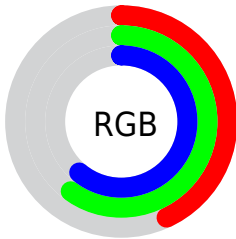
Format	Color
R_{YB}	109, 132, 156
Decimal	7182748
CIE _{Lab}	60.28, -14.09, -6.39
CIE _{LCh}	60, 15.466, 204.384
Yxy	28.4340, 0.2698, 0.3238
Android (android.graphics.Color)	4285372828 (0xFF6D999C)
YUV	140.1860, 7.7963, -27.3501
Hunter-Lab	53.3235, -13.9850, -2.3588

Details

The XYZ color **23.6987, 28.4340, 35.6917** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.2652, 19.7607, 17.1094**, and the grayscale version is **24.9785, 26.2793, 28.6181**.

A 20% lighter version of the original color is **48.8460, 56.9602, 69.3927**, and **9.1048, 11.4525, 15.0953** is the 20% darker color. If you saturate the color by 10%, you get **21.7854, 27.2076, 35.5563**, and if you desaturate by 10%, it is **25.9557, 29.8410, 35.8448**.

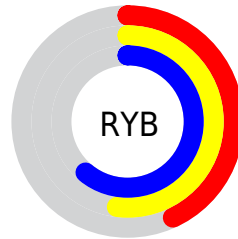
Distribution



Red (43%)

Green (60%)

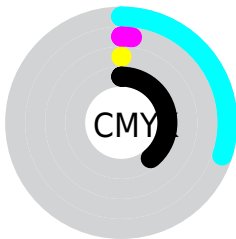
Blue (61%)



Red (43%)

Yellow (52%)

Blue (61%)

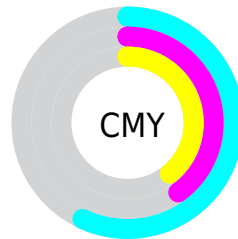


Cyan (30%)

Magenta (2%)

Yellow (0%)

Black (39%)



Cyan (57%)

Magenta (40%)

Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.6987, 28.4340, 35.6917 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 23.6987, 28.4340, 35.6917 by changing the saturation by 10% instead.

■ 23.6987, 28.4340,
35.6917

■ 23.6987, 28.4340,
35.6917

263.7625,
294.5350, 342.6076

■ 15.2338, 18.6531,
23.9084

■ 48.9963, 57.1766,
69.7196

■ 9.0710, 11.4199,
15.0541

■ 66.5598, 76.9071,
92.8013

■ 4.8450, 6.3500,
8.7103

■ 87.8868, 100.7228,
120.4862

■ 2.1904, 3.0590,
4.4585

■ 113.3427,
129.0083, 153.1928

■ 0.7377, 1.1626,
1.8801

143.2928,
162.1478, 191.3397

■ 0.0000, 0.0309,
0.4800

178.1026,

■ 0.0000, 0.0000,

200.5259, 235.3455

0.0000

218.1374,
244.5268, 285.6286

■ 23.6987, 28.4340,
35.6917

■ 23.6987, 28.4340,
35.6917

■ 21.7854, 27.2076,
35.5563

■ 25.9557, 29.8410,
35.8448

■ 20.1952, 26.1490,
35.4358

■ 28.5705, 31.4338,
36.0144

■ 18.9093, 25.2493,
35.3299

■ 31.5595, 33.2216,
36.2020

■ 17.9059, 24.4973,
35.2376

■ 34.9375, 35.2119,
36.4081

■ 17.1602, 23.8801,
35.1578

■ 38.7183, 37.4119,
36.6335

■ 16.6432, 23.3828,
35.0891

■ 42.9151, 39.8284,
36.8787

■ 16.2874, 22.9734,
35.0288

■ 47.5405, 42.4679,
37.1444

■ 52.6066, 45.3366,
37.4311

■ 58.1248, 48.4405,
37.7394

Harmonies

Analogous

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



23.4050, 28.4340, 29.9032



23.6987, 28.4340, 35.6917



24.8649, 28.4340, 40.7152

Triad

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



23.6987, 28.4340, 35.6917



30.2462, 28.4340, 37.7661



27.4006, 28.4340, 21.3122

Complementary

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



23.6987, 28.4340, 35.6917



22.2652, 19.7607, 17.1094

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.



29.3081, 28.4340, 22.9022



23.6987, 28.4340, 35.6917



31.0017, 28.4340, 32.0410

Square

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



23.6987, 28.4340, 35.6917



28.6310, 28.4340, 42.0117



30.6503, 28.4340, 26.6658



25.4815, 28.4340, 22.0390

Rectangle

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



23.6987, 28.4340, 35.6917



26.0120, 28.4340, 42.7157



30.6503, 28.4340, 26.6658



28.0654, 28.4340, 21.5868

Sweetspot

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



23.6995, 28.4351, 35.6924



52.3770, 57.3848, 65.4425



21.0843, 28.1841, 19.4697



11.3723, 12.5350, 14.3905



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.6995, 28.4351, 35.6924



40.6872, 50.1420, 64.6607



20.3107, 21.6574, 34.5627



6.7856, 7.4370, 8.4845



13.4252, 18.9420, 28.8558



0.2498, 0.3582, 0.5192

Inverse Universe

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



24.9294, 20.3058, 32.7438



43.3046, 33.0902, 58.3296



25.1142, 25.4588, 18.0591



6.8859, 6.7473, 8.2502



15.5746, 7.5344, 23.0748



0.2834, 0.1367, 0.4385

Previews

White Background



This preview shows how the XYZ color 23.6987, 28.4340, 35.6917 looks on a white background.

Color Contrast Check

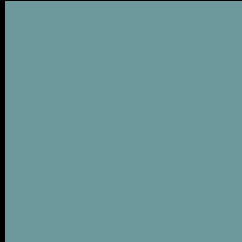
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.6987, 28.4340, 35.6917 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

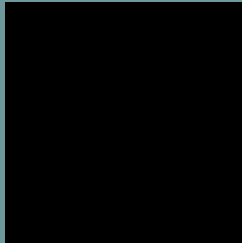
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.6987, 28.4340, 35.6917

Background



This preview shows how black text looks on a background with the XYZ color 23.6987, 28.4340, 35.6917.

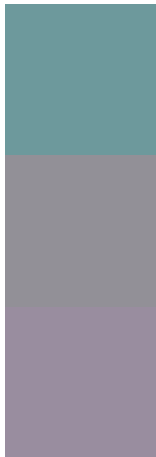


This preview shows how white text looks on a background with the XYZ color 23.6987, 28.4340,

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

23.6987, 28.4340, 35.6917

Protanopia

27.4132, 28.2919, 33.2942

Deuteranopia

28.9198, 28.3253, 36.7440



Tritanopia

24.4846, 28.5163, 39.3357

Trichromacy



Original Color

23.6987, 28.4340, 35.6917

Protanomaly

25.8564, 28.1539, 34.2085

Deuteranomaly

26.6135, 28.0378, 36.3569

Tritanomaly

24.0917, 28.3447, 37.9195

Monochromacy



Original Color

23.6987, 28.4340, 35.6917

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.3670, 26.9932, 31.1201

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.6987, 28.4340, 35.6917 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(109, 153, 156)` looks like.

```
.text, #text, p{  
    color:rgb(109, 153, 156)  
}
```

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(109, 153, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 153, 156) }
```

Border

The CSS property to change the border of an element to XYZ 23.6987, 28.4340, 35.6917 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(109, 153, 156) }
```


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

```
.border{ border-color:rgb(109, 153, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 153, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 153, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 153, 156);  
box-shadow:4px 4px 4px 4px rgb(109, 153,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 23.6987, 28.4340, 35.6917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 153, 156) }
```

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

```
.background{ background-color: rgb(109,  
153, 156) }
```

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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