

Converting Colors

XYZ(24.8306, 32.3929, 36.7286)

Have a look what the booklet for
XYZ(24.8306, 32.3929, 36.7286)
contains.

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Color

**XYZ(24.8676, 32.3594,
36.8336)**

Conversions

Conversions Part 1

Format	Color
Hex	63A69D
RGB	99, 166, 157
RGB Percent	39%, 65%, 62%
CMY	0.6118, 0.3490, 0.3843
CMYK	0.40, 0.00, 0.05, 0.35
HSL	172°, 27%, 52%
HSV	172°, 40%, 65%
XYZ	24.8676, 32.3594, 36.8336
YIQ	144.9410, -37.0430, -17.0030

Conversions

Conversions Part 2

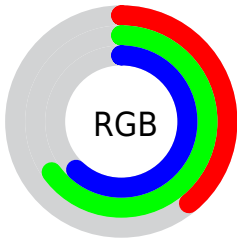
Format	Color
RYB	99, 135, 166
Decimal	6530717
CIELab	63.64, -23.48, -2.05
CIELCh	64, 23.567, 184.984
Yxy	32.3594, 0.2644, 0.3440
Android (android.graphics.Color)	4284720797 (0xFF63A69D)
YUV	144.9410, 5.9451, -40.2903
Hunter-Lab	56.8853, -21.5175, 1.4291

Details

The XYZ color **24.8676, 32.3594, 36.8336** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.8956, 18.1143, 16.4782**, and the grayscale version is **26.8778, 28.2776, 30.7943**.

A 20% lighter version of the original color is **50.7512, 63.1884, 71.1497**, and **9.7455, 13.6561, 15.7579** is the 20% darker color. If you saturate the color by 10%, you get **23.0487, 31.4443, 35.7641**, and if you desaturate by 10%, it is **27.0647, 33.4706, 37.9403**.

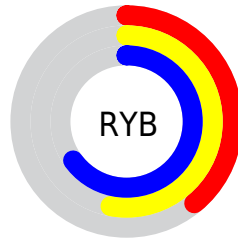
Distribution



Red (39%)

Green (65%)

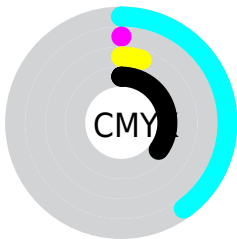
Blue (62%)



Red (39%)

Yellow (53%)

Blue (65%)

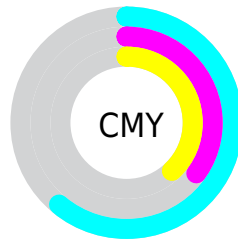


Cyan (40%)

Magenta (0%)

Yellow (5%)

Black (35%)



Cyan (61%)

Magenta (35%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.8676, 32.3594, 36.8336 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 24.8676, 32.3594, 36.8336 by changing the saturation by 10% instead.

■ 24.8676, 32.3594,
36.8336

■ 24.8676, 32.3594,
36.8336

269.5378,
312.7532, 347.7365

■ 16.1066, 21.6362,
24.7839

■ 50.8868, 63.3741,
71.5003

■ 9.6910, 13.5898,
15.6986

■ 68.8757, 84.4343,
94.9543

■ 5.2552, 7.8359,
9.1591

■ 90.6714, 109.7090,
123.0469

■ 2.4341, 3.9901,
4.7469

■ 116.6391,
139.5826, 156.1965

■ 0.8621, 1.6680,
2.0434

147.1443,
174.4394, 194.8217

■ 0.0000, 0.4028,
0.5818

182.5522,

■ 0.0000, 0.0000,

214.6638, 239.3411

0.0000

223.2282,
260.6403, 290.1732

■ 24.8676, 32.3594,
36.8336

■ 24.8676, 32.3594,
36.8336

■ 23.0487, 31.4443,
35.7641

■ 27.0647, 33.4706,
37.9403

■ 21.5821, 30.7097,
34.7285

■ 29.6581, 34.7850,
39.0832

■ 20.4432, 30.1435,
33.7261

■ 32.6684, 36.3138,
40.2638

■ 19.6029, 29.7310,
32.7556

■ 36.1138, 38.0666,
41.4833

■ 19.0271, 29.4543,
31.8152

■ 40.0113, 40.0520,
42.7425

■ 18.6479, 29.2780,
30.9338

■ 44.3771, 42.2784,
44.0421

■ 49.2267, 44.7538,
45.3832

■ 54.5747, 47.4857,
46.7663

■ 60.4352, 50.4814,
48.1923

Harmonies

Analogous

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



25.3659, 32.3594, 28.1053



24.8676, 32.3594, 36.8336



25.8529, 32.3594, 46.6929

Triad

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



24.8676, 32.3594, 36.8336



34.5335, 32.3594, 52.2864



33.5140, 32.3594, 21.2180

Complementary

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



24.8676, 32.3594, 36.8336



22.8956, 18.1143, 16.4782

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.



36.2442, 32.3594, 25.8221



24.8676, 32.3594, 36.8336



36.8617, 32.3594, 43.4761

Square

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



24.8676, 32.3594, 36.8336



31.3103, 32.3594, 56.5742



37.5089, 32.3594, 33.6812



30.2096, 32.3594, 20.0744

Rectangle

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



24.8676, 32.3594, 36.8336



27.2630, 32.3594, 52.2788



37.5089, 32.3594, 33.6812



34.5367, 32.3594, 22.3663

Sweetspot

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



24.8685, 32.3607, 36.8343



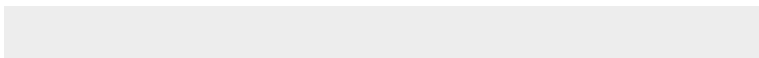
58.2117, 65.3567, 72.6679



22.2022, 31.4290, 16.7012



12.8699, 14.5459, 16.2019



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



24.8685, 32.3607, 36.8343



42.2736, 57.2893, 65.1873



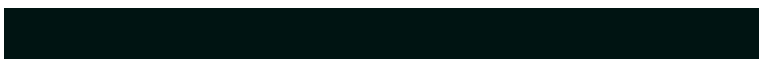
21.7845, 24.9170, 39.7391



7.7035, 8.5145, 9.4250



14.4724, 22.7077, 24.0523



0.3637, 0.5571, 0.6461

Inverse Universe

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



22.8956, 18.1143, 16.4782



38.2243, 27.9833, 23.3590



24.9940, 23.0387, 14.9346



7.5706, 7.5581, 8.0562



12.3198, 6.3366, 1.2296



0.3117, 0.1590, 0.0930

Previews

White Background



This preview shows how the XYZ color 24.8676, 32.3594, 36.8336 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 24.8676, 32.3594, 36.8336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

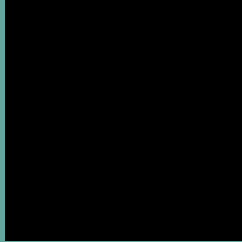
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.8676, 32.3594, 36.8336

Background



This preview shows how black text looks on a background with the XYZ color 24.8676, 32.3594, 36.8336.

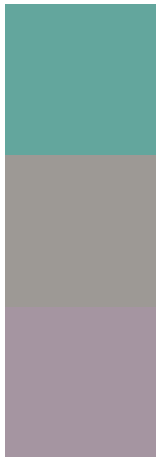


This preview shows how white text looks on a background with the XYZ color 24.8676, 32.3594,

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

24.8676, 32.3594, 36.8336

Protanopia

30.7207, 32.1205, 33.0145

Deuteranopia

32.6975, 32.0674, 38.1845



Tritanopia

26.6426, 32.2720, 45.8992

Trichromacy



Original Color

24.8676, 32.3594, 36.8336

Protanomaly

28.0477, 31.9550, 34.3954

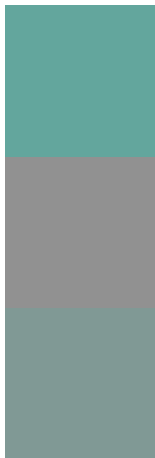
Deuteranomaly

29.0510, 31.6435, 37.8344

Tritanomaly

25.9164, 32.2403, 42.3932

Monochromacy



Original Color

24.8676, 32.3594, 36.8336

Achromatopsia

26.9133, 28.3149, 30.8349

Achromatomaly

25.7181, 29.5416, 32.7804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.8676, 32.3594, 36.8336 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, 166, 157)` looks like.

```
.text, #text, p{  
    color:rgb(99, 166, 157)  
}
```

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, 166, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 166, 157) }
```

Border

The CSS property to change the border of an element to XYZ 24.8676, 32.3594, 36.8336 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, 166, 157) }
```


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

```
.border{ border-color:rgb(99, 166, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 166, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 166, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 166, 157);  
box-shadow:4px 4px 4px 4px rgb(99, 166,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 24.8676, 32.3594, 36.8336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 166, 157) }
```

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

```
.background{ background-color: rgb(99, 166,  
157) }
```

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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