

Converting Colors

XYZ(24.4977, 33.0137, 38.1038)

Have a look what the booklet for
XYZ(24.4977, 33.0137, 38.1038)
contains.

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Color

**XYZ(24.3765, 32.9054,
37.8675)**

Conversions

Conversions Part 1	
Format	Color
Hex	57A99F
RGB	87, 169, 159
RGB Percent	34%, 66%, 62%
CMY	0.6588, 0.3372, 0.3765
CMYK	0.49, 0.00, 0.06, 0.34
HSL	173°, 32%, 50%
HSV	173°, 49%, 66%
XYZ	24.3765, 32.9054, 37.8675
YIQ	143.3420, -45.6620, -20.4940

Conversions

Conversions Part 2

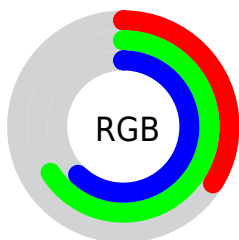
Format	Color
RYB	87, 131, 169
Decimal	5745055
CIELab	64.08, -27.52, -2.57
CIELCh	64, 27.637, 185.338
Yxy	32.9054, 0.2562, 0.3458
Android (android.graphics.Color)	4283935135 (0xFF57A99F)
YUV	143.3420, 7.7194, -49.4119
Hunter-Lab	57.3632, -24.5321, 1.0148

Details

The XYZ color **24.3765, 32.9054, 37.8675** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.9292, 16.1155, 13.2654**, and the grayscale version is **26.2291, 27.5951, 30.0511**.

A 20% lighter version of the original color is **50.2181, 64.4562, 73.4129**, and **9.4042, 13.8065, 16.3566** is the 20% darker color. If you saturate the color by 10%, you get **22.8024, 32.1152, 36.8684**, and if you desaturate by 10%, it is **26.3248, 33.8898, 38.9011**.

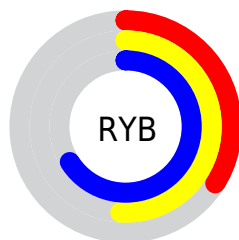
Distribution



Red (34%)

Green (66%)

Blue (62%)



Red (34%)

Yellow (51%)

Blue (66%)

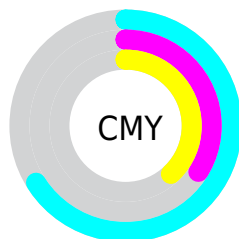


Cyan (49%)

Magenta (0%)

Yellow (6%)

Black (34%)



Cyan (66%)


Magenta (34%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3765, 32.9054, 37.8675 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 24.3765, 32.9054, 37.8675 by changing the saturation by 10% instead.


 24.3765, 32.9054,
37.8675


 24.3765, 32.9054,
37.8675


267.1237,
315.2232, 352.3324


 15.7394, 22.0540,
25.5788


 50.0941, 64.2278,
73.1062


 9.4296, 13.8966,
16.2859


 67.9053, 85.4676,
96.8933

 5.0818, 8.0488,
9.5701


 89.5053, 110.9390,
125.3502

 2.3306, 4.1262,
5.0130

 115.2594,
141.0263, 158.8956

 0.8102, 1.7444,
2.1960

145.5329,
176.1140, 197.9480

 0.0000, 0.4522,
0.6721


180.6912,


 0.0000, 0.0000,


216.5865, 242.9259


0.0000


221.0997,
262.8281, 294.2478


 24.3765, 32.9054,
37.8675


 24.3765, 32.9054,
37.8675


 22.8024, 32.1152,
36.8684


 26.3248, 33.8898,
38.9011


 21.5736, 31.5019,
35.9003

 28.6682, 35.0766,
39.9681


 20.6614, 31.0514,
34.9624


 31.4293, 36.4785,
41.0704


 20.0311, 30.7460,
34.0531


 34.6283, 38.1057,
42.2090


 19.6203, 30.5534,
33.1693


 38.2838, 39.9680,
43.3848

 19.5647, 30.5275,
33.0400

 42.4135, 42.0743,
44.5987

 47.0344, 44.4335,
45.8517

 52.1622, 47.0537,
47.1444

 57.8121, 49.9427,
48.4778

Harmonies

Analogous

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



24.9334, 32.9054, 27.5803



24.3765, 32.9054, 37.8675



25.5391, 32.9054, 49.7684

Triad

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



24.3765, 32.9054, 37.8675



35.8249, 32.9054, 56.4000



34.5160, 32.9054, 19.6175

Complementary

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



24.3765, 32.9054, 37.8675



21.9292, 16.1155, 13.2654

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.



37.8125, 32.9054, 24.7696



24.3765, 32.9054, 37.8675



38.6112, 32.9054, 45.5759

Square

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



24.3765, 32.9054, 37.8675



31.9797, 32.9054, 61.8016



39.3672, 32.9054, 33.8638



30.5819, 32.9054, 18.3930

Rectangle

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



24.3765, 32.9054, 37.8675



27.1949, 32.9054, 56.5974



39.3672, 32.9054, 33.8638



35.7454, 32.9054, 20.8860

Sweetspot

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



24.3775, 32.9067, 37.8683



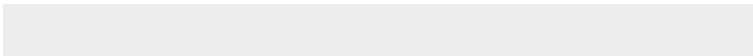
58.0609, 66.2307, 74.2077



20.9392, 31.6584, 14.0247



12.4129, 14.3124, 16.0853



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.



24.3775, 32.9067, 37.8683



40.7075, 57.4499, 65.9356



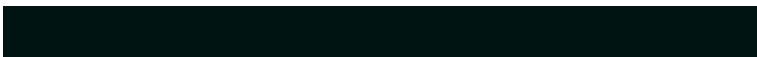
20.3160, 23.3380, 40.9715



7.7076, 8.5161, 9.4462



14.5941, 22.7564, 24.6932



0.3657, 0.5579, 0.6569

Inverse Universe

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



21.9292, 16.1155, 13.2654



35.8267, 23.8540, 16.7976



24.4527, 21.8624, 11.9487



7.5670, 7.5566, 8.0368



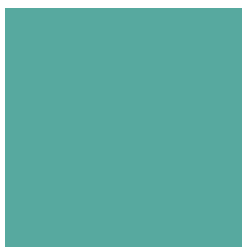
12.3042, 6.3304, 1.1474



0.3103, 0.1584, 0.0857

Previews

White Background



This preview shows how the XYZ color 24.3765, 32.9054, 37.8675 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 24.3765, 32.9054, 37.8675 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 24.3765, 32.9054, 37.8675

Background



This preview shows how black text looks on a background with the XYZ color 24.3765, 32.9054, 37.8675.

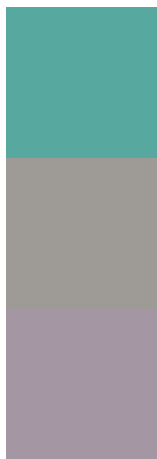


This preview shows how white text looks on a background with the XYZ color 24.3765, 32.9054,

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

24.3765, 32.9054, 37.8675

Protanopia

31.1612, 32.5823, 33.5008

Deuteranopia

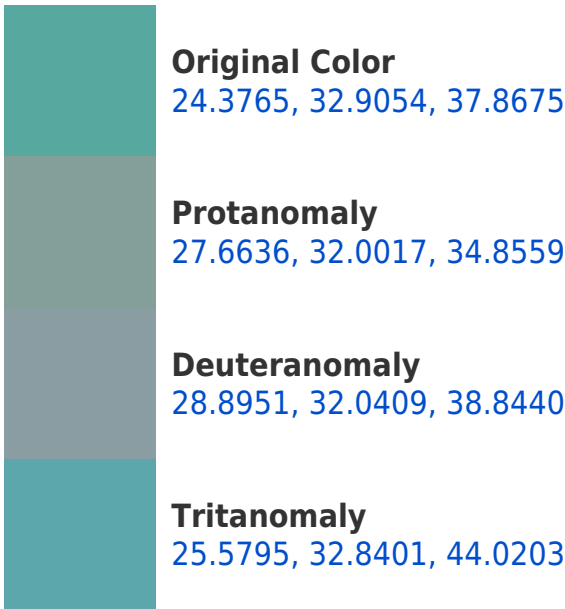
33.0343, 32.4564, 39.1739



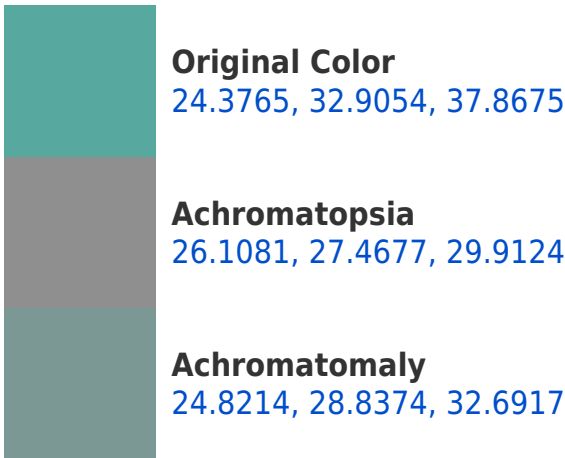
Tritanopia

26.2871, 32.8543, 47.6039

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3765, 32.9054, 37.8675 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(87, 169, 159)` looks like.

```
.text, #text, p{  
    color:rgb(87, 169, 159)  
}
```

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(87, 169, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 169, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.3765, 32.9054, 37.8675 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(87, 169, 159) }
```


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

```
.border{ border-color:rgb(87, 169, 159) }
```

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

Here you see how a box with a 4 pixel rgb(87, 169, 159) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 169, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 169, 159);  
box-shadow:4px 4px 4px 4px rgb(87, 169,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3765, 32.9054, 37.8675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 169, 159) }
```

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

```
.background{ background-color: rgb(87, 169,  
159) }
```

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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