

Converting Colors

XYZ(24.0871, 32.7690, 37.3077)

Have a look what the booklet for
XYZ(24.0871, 32.7690, 37.3077)
contains.

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Color

**XYZ(24.1058, 32.7759,
37.4036)**

Conversions

Conversions Part 1

Format	Color
Hex	55A99E
RGB	85, 169, 158
RGB Percent	33%, 66%, 62%
CMY	0.6667, 0.3372, 0.3804
CMYK	0.50, 0.00, 0.07, 0.34
HSL	172°, 33%, 50%
HSV	172°, 50%, 66%
XYZ	24.1058, 32.7759, 37.4036
YIQ	142.6300, -46.5330, -21.2290

Conversions

Conversions Part 2

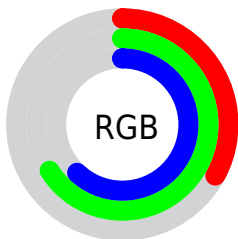
Format	Color
RYB	85, 130, 169
Decimal	5613982
CIELab	63.98, -28.24, -2.18
CIELCh	64, 28.328, 184.405
Yxy	32.7759, 0.2557, 0.3476
Android (android.graphics.Color)	4283804062 (0xFF55A99E)
YUV	142.6300, 7.5774, -50.5415
Hunter-Lab	57.2502, -25.0287, 1.3389

Details

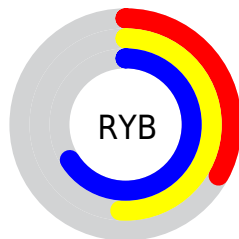
The XYZ color **24.1058, 32.7759, 37.4036** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.7231, 15.7774, 12.9678**, and the grayscale version is **25.9459, 27.2971, 29.7265**.

A 20% lighter version of the original color is **49.7507, 64.2300, 72.7263**, and **9.2526, 13.7345, 16.0733** is the 20% darker color. If you saturate the color by 10%, you get **22.5624, 32.0028, 36.3463**, and if you desaturate by 10%, it is **26.0210, 33.7418, 38.4976**.

Distribution



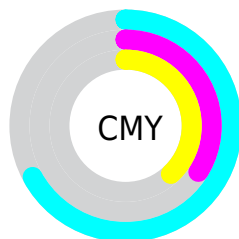
- Red (33%)
- Green (66%)
- Blue (62%)



- Red (33%)
- Yellow (51%)
- Blue (66%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)



- Cyan (67%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1058, 32.7759, 37.4036 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 24.1058, 32.7759, 37.4036 by changing the saturation by 10% instead.

■ 24.1058, 32.7759,
37.4036

■ 24.1058, 32.7759,
37.4036

265.7855,
314.6387, 350.2758

■ 15.5373, 21.9548,
25.2219

■ 49.6562, 64.0255,
72.3863

■ 9.2861, 13.8237,
16.0219

■ 67.3688, 85.2228,
96.0245

■ 4.9869, 7.9982,
9.3852

■ 88.8602, 110.6477,
124.3185

■ 2.2742, 4.0938,
4.8930

■ 114.4956,
140.6844, 157.6869

■ 0.7814, 1.7262,
2.1270

144.6405,
175.7175, 196.5483

■ 0.0000, 0.4405,
0.6318

179.6602,

■ 0.0000, 0.0000,

216.1313, 241.3212

0.0000

219.9201,
262.3103, 292.4242

■ 24.1058, 32.7759,
37.4036

■ 24.1058, 32.7759,
37.4036

■ 22.5624, 32.0028,
36.3463

■ 26.0210, 33.7418,
38.4976

■ 21.3613, 31.4051,
35.3222

■ 28.3290, 34.9090,
39.6274

■ 20.4735, 30.9684,
34.3304

■ 31.0527, 36.2901,
40.7946

■ 19.8635, 30.6746,
33.3693

■ 34.2124, 37.8956,
42.0005

■ 19.4561, 30.4848,
32.4352

■ 37.8270, 39.7351,
43.2459

■ 19.4447, 30.4796,
32.4078

■ 41.9143, 41.8180,
44.5319

■ 46.4911, 44.1528,
45.8592

■ 51.5736, 46.7479,
47.2287

■ 57.1769, 49.6110,
48.6412

Harmonies

Analogous

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



24.7271, 32.7759, 27.0043



24.1058, 32.7759, 37.4036



25.2362, 32.7759, 49.6132

Triad

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



24.1058, 32.7759, 37.4036



35.6964, 32.7759, 57.0830



34.5893, 32.7759, 19.2998

Complementary

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



24.1058, 32.7759, 37.4036



21.7231, 15.7774, 12.9678

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.



37.9279, 32.7759, 24.6466



24.1058, 32.7759, 37.4036



38.6045, 32.7759, 46.0568

Square

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



24.1058, 32.7759, 37.4036



31.7461, 32.7759, 62.4144



39.4539, 32.7759, 34.0245



30.5663, 32.7759, 17.9435

Rectangle

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



24.1058, 32.7759, 37.4036



26.8930, 32.7759, 56.7256



39.4539, 32.7759, 34.0245



35.8396, 32.7759, 20.6242

Sweetspot

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



24.1067, 32.7772, 37.4044



58.0228, 66.2155, 74.0071



20.6736, 31.5308, 13.5913



12.4035, 14.3087, 16.0360



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.



24.1067, 32.7772, 37.4044



40.0764, 57.1482, 64.8368



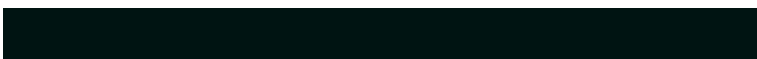
20.0259, 23.0313, 40.9277



7.7046, 8.5149, 9.4308



14.5054, 22.7209, 24.2261



0.3642, 0.5573, 0.6491

Inverse Universe

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



21.7231, 15.7774, 12.9678



35.3180, 23.0592, 15.9415



24.2253, 21.5366, 11.4750



7.5696, 7.5577, 8.0509



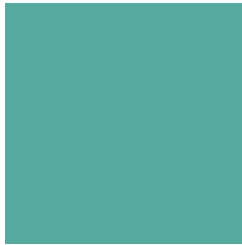
12.3154, 6.3349, 1.2065



0.3113, 0.1588, 0.0910

Previews

White Background



This preview shows how the XYZ color 24.1058, 32.7759, 37.4036 looks on a white background.

Color Contrast Check

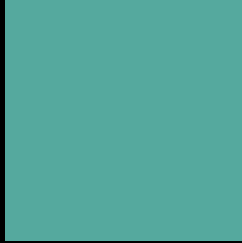
Large Text (above 18pt) WCAG AA × Fail

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 24.1058, 32.7759, 37.4036 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

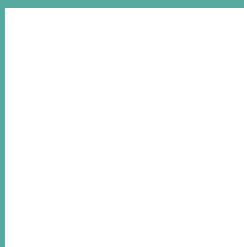
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.1058, 32.7759, 37.4036

Background



This preview shows how black text looks on a background with the XYZ color 24.1058, 32.7759, 37.4036.

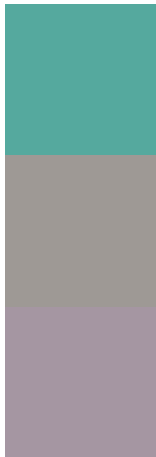


This preview shows how white text looks on a background with the XYZ color 24.1058, 32.7759,

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

24.1058, 32.7759, 37.4036

Protanopia

30.9166, 32.2215, 33.0237

Deuteranopia

32.9450, 32.4207, 38.7038



Tritanopia

26.1865, 32.8024, 47.5991

Trichromacy



Original Color

24.1058, 32.7759, 37.4036



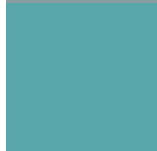
Protanomaly

27.4257, 31.8886, 34.4154



Deuteranomaly

28.6433, 31.9214, 38.3700



Tritanomaly

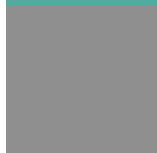
25.2892, 32.7016, 43.5072

Monochromacy



Original Color

24.1058, 32.7759, 37.4036



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

24.5996, 28.7322, 32.2663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1058, 32.7759, 37.4036 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(85, 169, 158)` looks like.

```
.text, #text, p{  
    color:rgb(85, 169, 158)  
}
```

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(85, 169, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 169, 158) }
```

Border

The CSS property to change the border of an element to XYZ 24.1058, 32.7759, 37.4036 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(85, 169, 158) }
```


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

```
.border{ border-color:rgb(85, 169, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 169, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 169, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 169, 158);  
box-shadow:4px 4px 4px 4px rgb(85, 169,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1058, 32.7759, 37.4036 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 169, 158) }
```

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

```
.background{ background-color: rgb(85, 169,  
158) }
```

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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