

Converting Colors

XYZ(24.0741, 32.1013, 37.7553)

Have a look what the booklet for
XYZ(24.0741, 32.1013, 37.7553)
contains.

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Color

**XYZ(24.1012, 32.2153,
37.7488)**

Conversions

Conversions Part 1

Format	Color
Hex	58A79F
RGB	88, 167, 159
RGB Percent	35%, 65%, 62%
CMY	0.6549, 0.3451, 0.3765
CMYK	0.47, 0.00, 0.05, 0.35
HSL	174°, 31%, 50%
HSV	174°, 47%, 65%
XYZ	24.1012, 32.2153, 37.7488
YIQ	142.4670, -44.5160, -19.2360

Conversions

Conversions Part 2

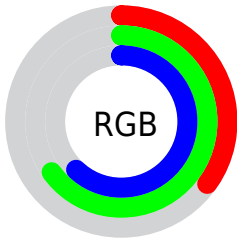
Format	Color
R _{YB}	88, 130, 167
Decimal	5810079
CIE Lab	63.52, -26.29, -3.40
CIE LCh	64, 26.506, 187.362
Yxy	32.2153, 0.2562, 0.3425
Android (android.graphics.Color)	4284000159 (0xFF58A79F)
YUV	142.4670, 8.1508, -47.7676
Hunter-Lab	56.7585, -23.5315, 0.2985

Details

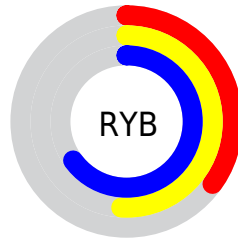
The XYZ color **24.1012, 32.2153, 37.7488** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.5385, 16.0404, 13.0283**, and the grayscale version is **25.8783, 27.2260, 29.6491**.

A 20% lighter version of the original color is **49.5866, 62.9372, 73.1529**, and **9.3442, 13.6054, 16.3210** is the 20% darker color. If you saturate the color by 10%, you get **22.5523, 31.4344, 36.9159**, and if you desaturate by 10%, it is **26.0161, 33.1862, 38.6107**.

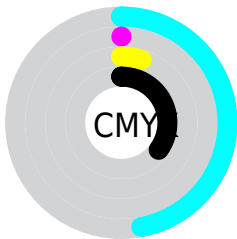
Distribution



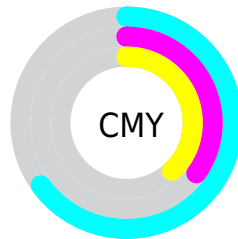
- Red (35%)
- Green (65%)
- Blue (62%)



- Red (35%)
- Yellow (51%)
- Blue (65%)



- Cyan (47%)
- Magenta (0%)
- Yellow (5%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1012, 32.2153, 37.7488 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 24.1012, 32.2153, 37.7488 by changing the saturation by 10% instead.

■ 24.1012, 32.2153,
37.7488

■ 24.1012, 32.2153,
37.7488

265.7627,
312.0988, 351.8070

■ 15.5339, 21.5260,
25.4875

■ 49.6488, 63.1485,
72.9221

■ 9.2837, 13.5090,
16.2183

■ 67.3597, 84.1611,
96.6711

■ 4.9852, 7.7800,
9.5227

■ 88.8492, 109.3837,
125.0865

■ 2.2733, 3.9545,
4.9822

■ 114.4826,
139.2005, 158.5867

■ 0.7809, 1.6481,
2.1783

144.6253,
173.9961, 197.5903

■ 0.0000, 0.3897,
0.6618

179.6427,

■ 0.0000, 0.0000,

214.1547, 242.5159

0.0000

219.9000,
260.0608, 293.7819

■ 24.1012, 32.2153,
37.7488

■ 24.1012, 32.2153,
37.7488

■ 22.5523, 31.4344,
36.9159

■ 26.0161, 33.1862,
38.6107

■ 21.3416, 30.8269,
36.1086

■ 28.3169, 34.3550,
39.5005

■ 20.4416, 30.3793,
35.3263


■ 31.0253, 35.7337,
40.4199


■ 19.8196, 30.0748,
34.5673


■ 34.1608, 37.3323,
41.3699


■ 19.4245, 29.8871,
33.8292


■ 37.7415, 39.1602,
42.3515

 19.3313, 29.8433,
33.6327

 41.7843, 41.2261,
43.3653

 46.3055, 43.5383,
44.4122

 51.3204, 46.1049,
45.4931

 56.8437, 48.9333,
46.6085

Harmonies

Analogous

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



24.5203, 32.2153, 27.8146



24.1012, 32.2153, 37.7488



25.3136, 32.2153, 48.9276

Triad

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



24.1012, 32.2153, 37.7488



35.1359, 32.2153, 53.8587



33.4361, 32.2153, 19.4515

Complementary

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



24.1012, 32.2153, 37.7488



21.5385, 16.0404, 13.0283

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.



36.6198, 32.2153, 24.1231



24.1012, 32.2153, 37.7488



37.6550, 32.2153, 43.5048

Square

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



24.1012, 32.2153, 37.7488



31.5389, 32.2153, 59.3689



38.2188, 32.2153, 32.5343



29.7185, 32.2153, 18.5220

Rectangle

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



24.1012, 32.2153, 37.7488



26.9461, 32.2153, 55.1488



38.2188, 32.2153, 32.5343



34.6129, 32.2153, 20.5832

Sweetspot

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



24.1021, 32.2166, 37.7496



57.1930, 64.8253, 72.9001



20.5340, 30.8966, 14.1146



12.5477, 14.3788, 16.2351



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.



24.1021, 32.2166, 37.7496



40.2106, 56.2056, 66.0049



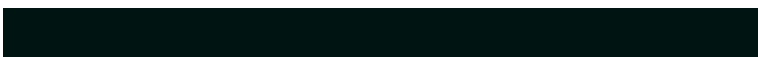
19.9059, 22.6767, 39.8885



7.7143, 8.5188, 9.4817



14.8023, 22.8397, 25.7896



0.3692, 0.5593, 0.6752

Inverse Universe

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



21.5385, 16.0404, 13.0283



35.0599, 23.6124, 16.2682



24.2107, 21.9448, 12.1929



7.5608, 7.5542, 8.0046



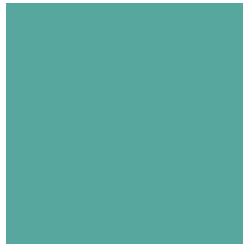
12.2807, 6.3210, 1.0240



0.3080, 0.1575, 0.0735

Previews

White Background



This preview shows how the XYZ color 24.1012, 32.2153, 37.7488 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 24.1012, 32.2153, 37.7488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

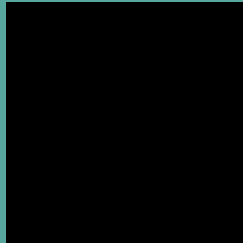
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.1012, 32.2153, 37.7488

Background



This preview shows how black text looks on a background with the XYZ color 24.1012, 32.2153, 37.7488.

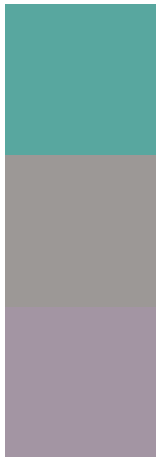


This preview shows how white text looks on a background with the XYZ color 24.1012, 32.2153,

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

24.1012, 32.2153, 37.7488

Protanopia

30.4436, 31.7264, 33.3734

Deuteranopia

32.4626, 31.9258, 39.1017



Tritanopia

25.8274, 32.1049, 46.4306

Trichromacy



Original Color

24.1012, 32.2153, 37.7488

Protanomaly

27.1668, 31.2391, 34.7349

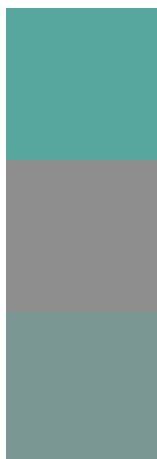
Deuteranomaly

28.5634, 31.6198, 38.7802

Tritanomaly

25.1245, 32.0879, 42.8996

Monochromacy



Original Color

24.1012, 32.2153, 37.7488

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.4379, 28.4089, 32.2124

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1012, 32.2153, 37.7488 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(88, 167, 159)` looks like.

```
.text, #text, p{  
    color:rgb(88, 167, 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(88, 167, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 167, 159) }
```

Border

The CSS property to change the border of an element to XYZ 24.1012, 32.2153, 37.7488 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(88, 167, 159) }
```


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

```
.border{ border-color:rgb(88, 167, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 167, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 167, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 167, 159);  
box-shadow:4px 4px 4px 4px rgb(88, 167,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1012, 32.2153, 37.7488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 167, 159) }
```

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

```
.background{ background-color: rgb(88, 167,  
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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