

Converting Colors

XYZ(24.5515, 31.9762, 40.7167)

Have a look what the booklet for
XYZ(24.5515, 31.9762, 40.7167)
contains.

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Color

**XYZ(24.6390, 32.1495,
40.9832)**

Conversions

Conversions Part 1

Format	Color
Hex	59A6A6
RGB	89, 166, 166
RGB Percent	35%, 65%, 65%
CMY	0.6510, 0.3490, 0.3490
CMYK	0.46, 0.00, 0.00, 0.35
HSL	180°, 30%, 50%
HSV	180°, 46%, 65%
XYZ	24.6390, 32.1495, 40.9832
YIQ	142.9770, -45.8920, -16.3240

Conversions

Conversions Part 2

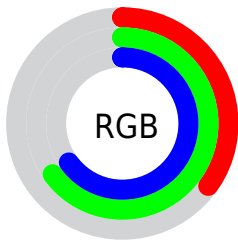
Format	Color
RYB	89, 128, 166
Decimal	5875366
CIELab	63.47, -23.72, -7.39
CIElCh	63, 24.843, 197.313
Yxy	32.1495, 0.2520, 0.3288
Android (android.graphics.Color)	4284065446 (0xFF59A6A6)
YUV	142.9770, 11.3503, -47.3378
Hunter-Lab	56.7005, -21.6594, -3.1645

Details

The XYZ color **24.6390, 32.1495, 40.9832** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.1026, 15.9740, 11.4235**, and the grayscale version is **26.0694, 27.4270, 29.8680**.

A 20% lighter version of the original color is **50.4092, 62.8627, 77.8835**, and **9.5900, 13.5256, 18.0248** is the 20% darker color. If you saturate the color by 10%, you get **23.2224, 31.4200, 40.9174**, and if you desaturate by 10%, it is **26.4167, 33.0667, 41.0673**.

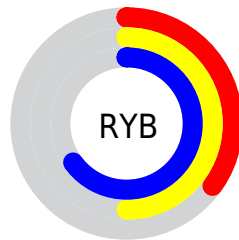
Distribution



Red (35%)

Green (65%)

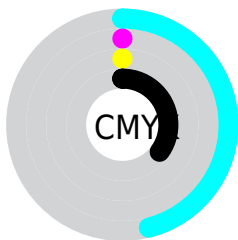
Blue (65%)



Red (35%)

Yellow (50%)

Blue (65%)

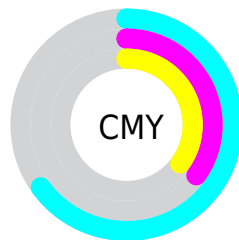


Cyan (46%)

Magenta (0%)

Yellow (0%)

Black (35%)



Cyan (65%)

Magenta (35%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6390, 32.1495, 40.9832 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 24.6390, 32.1495, 40.9832 by changing the saturation by 10% instead.

■ 24.6390, 32.1495,
40.9832

■ 24.6390, 32.1495,
40.9832

268.4163,
311.7997, 365.9250

■ 15.9356, 21.4757,
27.9864

■ 50.5181, 63.0454,
77.9118

■ 9.5692, 13.4722,
18.0764

■ 68.4245, 84.0363,
102.6806

■ 5.1743, 7.7545,
10.8349

■ 90.1293, 109.2350,
132.2105

■ 2.3857, 3.9383,
5.8431

■ 115.9978,
139.0259, 166.9200

■ 0.8380, 1.6391,
2.6827

146.3954,
173.7935, 207.2277

■ 0.0000, 0.3837,
0.9347

181.6874,

■ 0.0000, 0.0000,

213.9220, 253.5520

0.0000

222.2393,
259.7960, 306.3116

■ 24.6390, 32.1495,
40.9832

■ 24.6390, 32.1495,
40.9832

■ 23.2224, 31.4200,
40.9174

■ 26.4167, 33.0667,
41.0673

■ 22.1396, 30.8618,
40.8665

■ 28.5748, 34.1793,
41.1685

■ 21.3641, 30.4620,
40.8301

■ 31.1347, 35.4989,
41.2885

■ 20.8639, 30.2042,
40.8064

■ 34.1153, 37.0355,
41.4282

■ 20.5947, 30.0654,
40.7937

■ 37.5343, 38.7980,
41.5884

■ 20.5196, 30.0266,
40.7901

■ 41.4085, 40.7952,
41.7699

■ 45.7537, 43.0352,
41.9734

■ 50.5849, 45.5258,
42.1997

■ 55.9166, 48.2744,
42.4494

Harmonies

Analogous

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



24.5189, 32.1495, 30.9877



24.6390, 32.1495, 40.9832



26.2674, 32.1495, 50.9506

Triad

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



24.6390, 32.1495, 40.9832



35.7096, 32.1495, 49.5674



32.0407, 32.1495, 19.5211

Complementary

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



24.6390, 32.1495, 40.9832



21.1026, 15.9740, 11.4235

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.



35.2902, 32.1495, 22.7912



24.6390, 32.1495, 40.9832



37.5133, 32.1495, 39.3561

Square

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



24.6390, 32.1495, 40.9832



32.5788, 32.1495, 56.5125



37.3543, 32.1495, 29.6390



28.6209, 32.1495, 19.7918

Rectangle

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



24.6390, 32.1495, 40.9832



28.0638, 32.1495, 55.6764



37.3543, 32.1495, 29.6390



33.1939, 32.1495, 20.2123

Sweetspot

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



24.6400, 32.1508, 40.9840



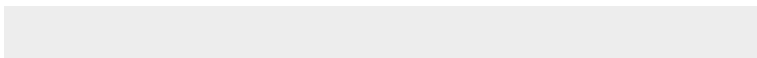
57.5885, 64.9835, 74.9826



19.6845, 30.1829, 14.2404



12.6490, 14.4193, 16.7685



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.



24.6400, 32.1508, 40.9840



41.9978, 56.9463, 74.2514



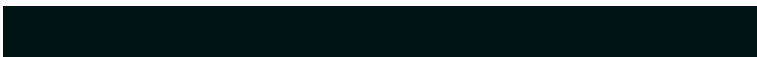
18.8255, 20.5217, 39.0467



7.7476, 8.5321, 9.6568



15.9113, 23.2833, 31.6295



0.3871, 0.5665, 0.7696

Inverse Universe

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



21.1026, 15.9740, 11.4235



34.7492, 23.7977, 13.6775



25.0188, 23.8067, 12.7285



7.5311, 7.5423, 7.8482



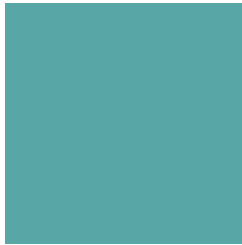
12.1947, 6.2866, 0.5708



0.2967, 0.1530, 0.0139

Previews

White Background



This preview shows how the XYZ color 24.6390, 32.1495, 40.9832 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 24.6390, 32.1495, 40.9832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

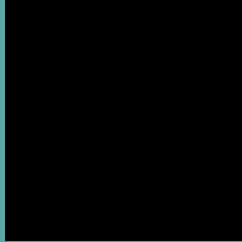
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.6390, 32.1495, 40.9832

Background



This preview shows how black text looks on a background with the XYZ color 24.6390, 32.1495, 40.9832.

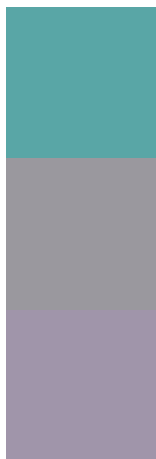


This preview shows how white text looks on a background with the XYZ color 24.6390, 32.1495,

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

24.6390, 32.1495, 40.9832

Protanopia

30.7262, 31.7951, 36.8654

Deuteranopia

32.5003, 31.8708, 42.4689



Tritanopia

25.7255, 32.0524, 46.4258

Trichromacy



Original Color

24.6390, 32.1495, 40.9832

Protanomaly

27.6959, 31.4330, 38.3257

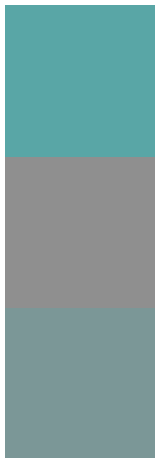
Deuteranomaly

28.7143, 31.3756, 42.0788

Tritanomaly

25.4116, 32.2027, 44.4116

Monochromacy



Original Color

24.6390, 32.1495, 40.9832

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.8209, 28.5785, 33.4862

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6390, 32.1495, 40.9832 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(89, 166, 166)` looks like.

```
.text, #text, p{  
    color:rgb(89, 166, 166)  
}
```

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(89, 166, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 166, 166) }
```

Border

The CSS property to change the border of an element to XYZ 24.6390, 32.1495, 40.9832 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(89, 166, 166) }
```


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

```
.border{ border-color:rgb(89, 166, 166) }
```

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

Here you see how a box with a 4 pixel rgb(89, 166, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 166, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 166, 166);  
box-shadow:4px 4px 4px 4px rgb(89, 166,  
166) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6390, 32.1495, 40.9832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 166, 166) }
```

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

```
.background{ background-color: rgb(89, 166,  
166) }
```

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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