

Converting Colors

XYZ(24.7100, 32.4741, 40.3027)

Have a look what the booklet for
XYZ(24.7100, 32.4741, 40.3027)
contains.

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Color

**XYZ(24.6394, 32.4416,
40.0852)**

Conversions

Conversions Part 1

Format	Color
Hex	59A7A4
RGB	89, 167, 164
RGB Percent	35%, 65%, 64%
CMY	0.6510, 0.3451, 0.3569
CMYK	0.47, 0.00, 0.02, 0.35
HSL	178°, 31%, 50%
HSV	178°, 47%, 65%
XYZ	24.6394, 32.4416, 40.0852
YIQ	143.3360, -45.5250, -17.4690

Conversions

Conversions Part 2

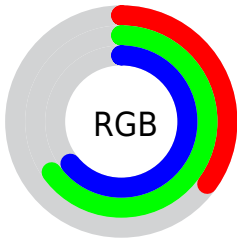
Format	Color
RYB	89, 129, 167
Decimal	5875620
CIELab	63.71, -24.75, -5.92
CIELCh	64, 25.447, 193.445
Yxy	32.4416, 0.2536, 0.3339
Android (android.graphics.Color)	4284065700 (0xFF59A7A4)
YUV	143.3360, 10.1874, -47.6527
Hunter-Lab	56.9575, -22.4579, -1.8565

Details

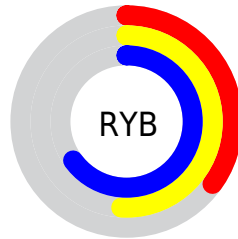
The XYZ color **24.6394, 32.4416, 40.0852** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.4416, 16.1340, 12.1105**, and the grayscale version is **26.2171, 27.5824, 30.0373**.

A 20% lighter version of the original color is **50.4091, 63.2863, 76.5765**, and **9.5908, 13.7073, 17.4695** is the 20% darker color. If you saturate the color by 10%, you get **23.1574, 31.6851, 39.7143**, and if you desaturate by 10%, it is **26.4871, 33.3882, 40.4762**.

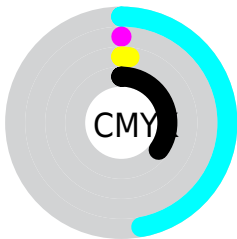
Distribution



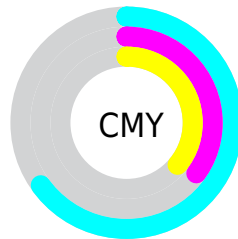
- Red (35%)
- Green (65%)
- Blue (64%)



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



- Cyan (47%)
- Magenta (0%)
- Yellow (2%)
- Black (35%)



- Cyan (65%)
- Magenta (35%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.6394, 32.4416, 40.0852 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 24.6394, 32.4416, 40.0852 by changing the saturation by 10% instead.

■ 24.6394, 32.4416,
40.0852

■ 24.6394, 32.4416,
40.0852

268.4182,
313.1260, 362.0453

■ 15.9359, 21.6990,
27.2907

■ 50.5187, 63.5027,
76.5317

■ 9.5694, 13.6359,
17.5573

■ 68.4253, 84.5901,
101.0209

■ 5.1744, 7.8679,
10.4665

■ 90.1302, 109.8945,
130.2452

■ 2.3858, 4.0105,
5.5997

■ 115.9989,
139.8003, 164.6235

■ 0.8380, 1.6795,
2.5384

146.3967,
174.6920, 204.5740

■ 0.0000, 0.4103,
0.8604

181.6889,

■ 0.0000, 0.0000,

214.9539, 250.5155

0.0000

222.2410,
260.9704, 302.8664

■ 24.6394, 32.4416,
40.0852

■ 24.6394, 32.4416,
40.0852

■ 23.1574, 31.6851,
39.7143

■ 26.4871, 33.3882,
40.4762

■ 22.0134, 31.1020,
39.3601

■ 28.7203, 34.5327,
40.8860

■ 21.1804, 30.6791,
39.0219

■ 31.3606, 35.8870,
41.3164

■ 20.6257, 30.3998,
38.6983

■ 34.4273, 37.4611,
41.7683

■ 20.3024, 30.2397,
38.3870

■ 37.9385, 39.2643,
42.2425

■ 20.2149, 30.1967,
38.2857

■ 41.9111, 41.3054,
42.7399

■ 46.3612, 43.5926,
43.2611

■ 51.3042, 46.1338,
43.8070

■ 56.7547, 48.9367,
44.3782

Harmonies

Analogous

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



24.7224, 32.4416, 30.0220



24.6394, 32.4416, 40.0852



26.1229, 32.4416, 50.6083

Triad

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



24.6394, 32.4416, 40.0852



35.7904, 32.4416, 51.5713



32.8285, 32.4416, 19.6551

Complementary

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



24.6394, 32.4416, 40.0852



21.4416, 16.1340, 12.1105

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.



36.0816, 32.4416, 23.4749



24.6394, 32.4416, 40.0852



37.8798, 32.4416, 41.2147

Square

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



24.6394, 32.4416, 40.0852



32.4555, 32.4416, 58.0518



37.9903, 32.4416, 30.9545



29.2689, 32.4416, 19.4693

Rectangle

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



24.6394, 32.4416, 40.0852



27.8720, 32.4416, 55.9439



37.9903, 32.4416, 30.9545



34.0004, 32.4416, 20.5176

Sweetspot

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



24.6404, 32.4429, 40.0860



57.4374, 64.9231, 74.1871



20.1270, 30.6819, 14.3134



12.6103, 14.4038, 16.5646



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.



24.6404, 32.4429, 40.0860



41.3999, 56.7071, 71.1032



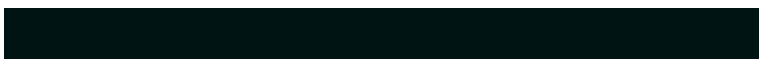
19.3336, 21.3904, 39.6703



7.7349, 8.5270, 9.5901



15.4724, 23.1077, 29.3181



0.3801, 0.5637, 0.7328

Inverse Universe

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



21.4416, 16.1340, 12.1105



34.9689, 23.8856, 14.8343



24.9609, 23.3783, 12.6489



7.5424, 7.5468, 7.9074



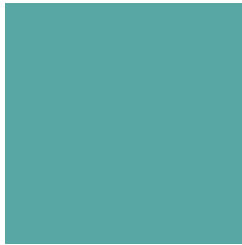
12.2258, 6.2991, 0.7349



0.3010, 0.1547, 0.0365

Previews

White Background



This preview shows how the XYZ color 24.6394, 32.4416, 40.0852 looks on a white background.

Color Contrast Check

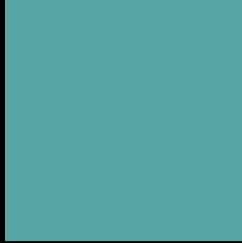
Large Text (above 18pt) WCAG AA × Fail

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 24.6394, 32.4416, 40.0852 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

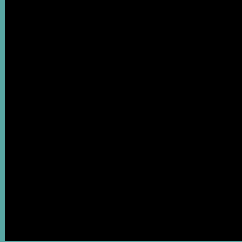
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.6394, 32.4416, 40.0852

Background



This preview shows how black text looks on a background with the XYZ color 24.6394, 32.4416, 40.0852.

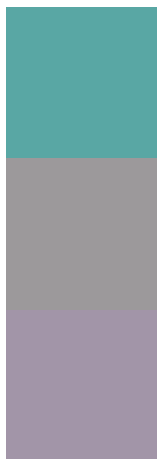


This preview shows how white text looks on a background with the XYZ color 24.6394, 32.4416,

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

24.6394, 32.4416, 40.0852

Protanopia

31.0179, 32.2169, 35.5940

Deuteranopia

32.7156, 32.0034, 41.4988



Tritanopia

26.0052, 32.4518, 47.0127

Trichromacy



Original Color

24.6394, 32.4416, 40.0852

Protanomaly

27.9141, 31.8279, 37.0199

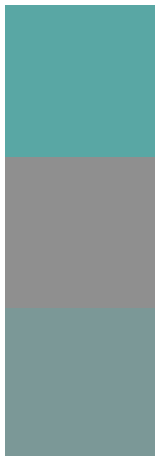
Deuteranomaly

28.8552, 31.7179, 41.1605

Tritanomaly

25.5927, 32.5649, 44.4719

Monochromacy



Original Color

24.6394, 32.4416, 40.0852

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

24.9825, 28.9018, 33.5400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.6394, 32.4416, 40.0852 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, 167, 164)` looks like.

```
.text, #text, p{  
    color:rgb(89, 167, 164)  
}
```

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, 167, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 167, 164) }
```

Border

The CSS property to change the border of an element to XYZ 24.6394, 32.4416, 40.0852 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, 167, 164) }
```


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

```
.border{ border-color:rgb(89, 167, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 167, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 167, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 167, 164);  
box-shadow:4px 4px 4px 4px rgb(89, 167,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 24.6394, 32.4416, 40.0852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 167, 164) }
```

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

```
.background{ background-color: rgb(89, 167,  
164) }
```

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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