

Converting Colors

XYZ(24.5734, 32.3215, 43.9732)

Have a look what the booklet for
XYZ(24.5734, 32.3215, 43.9732)
contains.

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Color

**XYZ(24.5734, 32.3215,
43.9732)**

Conversions

Conversions Part 1

Format	Color
Hex	50A7AC
RGB	80, 167, 172
RGB Percent	31%, 65%, 67%
CMY	0.6863, 0.3451, 0.3255
CMYK	0.53, 0.03, 0.00, 0.33
HSL	183°, 37%, 49%
HSV	183°, 53%, 67%
XYZ	24.5734, 32.3215, 43.9732
YIQ	141.5570, -53.4570, -16.8890

Conversions

Conversions Part 2

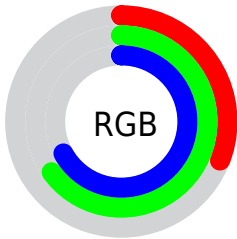
Format	Color
RYB	80, 125, 172
Decimal	5285804
CIELab	63.61, -24.61, -10.58
CIELCh	64, 26.788, 203.261
Yxy	32.3215, 0.2436, 0.3204
Android (android.graphics.Color)	4283475884 (0xFF50A7AC)
YUV	141.5570, 15.0084, -53.9855
Hunter-Lab	56.8520, -22.3371, -6.0625

Details

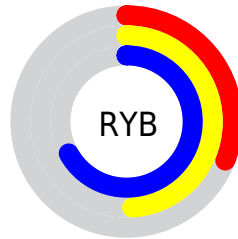
The XYZ color **24.5734, 32.3215, 43.9732** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.7103, 15.8475, 9.5049**, and the grayscale version is **25.4951, 26.8228, 29.2100**.

A 20% lighter version of the original color is **50.3029, 63.1070, 82.2027**, and **9.5835, 13.6498, 19.8989** is the 20% darker color. If you saturate the color by 10%, you get **23.1326, 31.3262, 43.8576**, and if you desaturate by 10%, it is **26.3892, 33.5134, 44.1081**.

Distribution



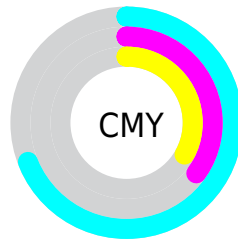
- Red (31%)
- Green (65%)
- Blue (67%)



- Red (31%)
- Yellow (49%)
- Blue (67%)



- Cyan (53%)
- Magenta (3%)
- Yellow (0%)
- Black (33%)



- Cyan (69%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5734, 32.3215, 43.9732 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 24.5734, 32.3215, 43.9732 by changing the saturation by 10% instead.

■ 24.5734, 32.3215,
43.9732

■ 24.5734, 32.3215,
43.9732

268.0937,
312.5812, 378.6371

■ 15.8865, 21.6072,
30.3124

■ 50.4122, 63.3148,
82.4795

■ 9.5342, 13.5686,
19.8218

■ 68.2949, 84.3625,
108.1620

■ 5.1511, 7.8212,
12.0828

■ 89.9735, 109.6235,
138.6889

■ 2.3719, 3.9808,
6.6768

■ 115.8134,
139.4821, 174.4786

■ 0.8311, 1.6628,
3.1855

146.1801,
174.3228, 215.9498

■ 0.0000, 0.3994,
1.1901

181.4388,

■ 0.0000, 0.0000,

214.5300, 263.5209

0.0000

221.9549,
260.4880, 317.6104

■ 24.5734, 32.3215,
43.9732

■ 24.5734, 32.3215,
43.9732

■ 23.1326, 31.3262,
43.8576

■ 26.3892, 33.5134,
44.1081

■ 22.0348, 30.5089,
43.7577

■ 28.6028, 34.9115,
44.2613

■ 21.2477, 29.8535,
43.6727

■ 31.2390, 36.5292,
44.4346

■ 20.7315, 29.3397,
43.6007

■ 34.3194, 38.3778,
44.6291

■ 20.4827, 29.0510,
43.5581

■ 37.8642, 40.4677,
44.8457

■ 41.8926, 42.8088,
45.0852

■ 46.4225, 45.4102,
45.3486

■ 51.4708, 48.2807,
45.6366

■ 57.0538, 51.4287,
45.9499

Harmonies

Analogous

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



24.1152, 32.3215, 32.8295



24.5734, 32.3215, 43.9732



26.6147, 32.3215, 54.4221

Triad

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



24.5734, 32.3215, 43.9732



36.8545, 32.3215, 49.0131



31.5727, 32.3215, 18.4396

Complementary

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



24.5734, 32.3215, 43.9732



21.7103, 15.8475, 9.5049

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.



35.2285, 32.3215, 21.1282



24.5734, 32.3215, 43.9732



38.4339, 32.3215, 37.6665

Square

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



24.5734, 32.3215, 43.9732



33.6504, 32.3215, 57.7202



37.8160, 32.3215, 27.6664



27.9660, 32.3215, 19.4536

Rectangle

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



24.5734, 32.3215, 43.9732



28.6946, 32.3215, 58.8423



37.8160, 32.3215, 27.6664



32.8398, 32.3215, 18.9186

Sweetspot

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



24.5744, 32.3227, 43.9740



60.6111, 68.6396, 80.8600



19.6854, 31.8607, 13.6244



12.9275, 14.7705, 17.5573



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



24.5744, 32.3227, 43.9740



41.5929, 56.5617, 79.5311



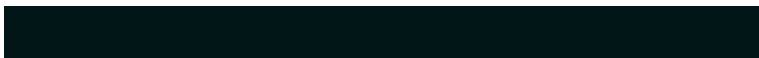
17.6416, 18.4572, 41.6630



8.1985, 8.9964, 10.2571



15.2554, 21.6448, 32.4183



0.4354, 0.6242, 0.9055

Inverse Universe

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



26.8578, 17.2989, 38.4840



46.2630, 26.7529, 68.0968



26.5247, 25.4761, 11.1097



8.3180, 8.1405, 9.9854



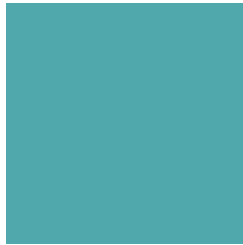
17.5639, 8.4881, 26.4126



0.4942, 0.2384, 0.7641

Previews

White Background



This preview shows how the XYZ color 24.5734, 32.3215, 43.9732 looks on a white background.

Color Contrast Check

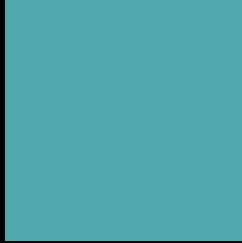
Large Text (above 18pt) WCAG AA × Fail

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 24.5734, 32.3215, 43.9732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

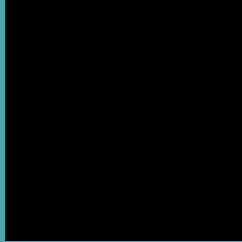
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.5734, 32.3215, 43.9732

Background



This preview shows how black text looks on a background with the XYZ color 24.5734, 32.3215, 43.9732.

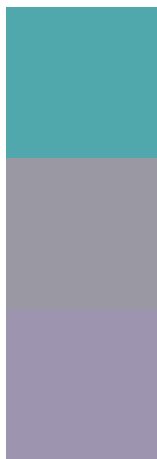


This preview shows how white text looks on a background with the XYZ color 24.5734, 32.3215,

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

24.5734, 32.3215, 43.9732

Protanopia

30.9760, 31.8731, 39.1698

Deuteranopia

32.4885, 31.7976, 45.4995



Tritanopia

25.3402, 32.3661, 47.5595

Trichromacy



Original Color

24.5734, 32.3215, 43.9732

Protanomaly

27.5441, 31.3027, 40.6667

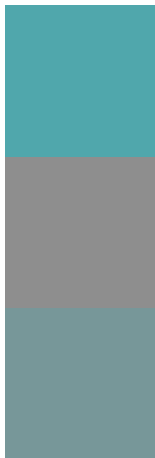
Deuteranomaly

28.6796, 31.5392, 45.1335

Tritanomaly

24.9524, 32.2009, 45.9746

Monochromacy



Original Color

24.5734, 32.3215, 43.9732

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.4241, 28.3551, 34.3228

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5734, 32.3215, 43.9732 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(80, 167, 172)` looks like.

```
.text, #text, p{  
    color:rgb(80, 167, 172)  
}
```

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(80, 167, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 167, 172) }
```

Border

The CSS property to change the border of an element to XYZ 24.5734, 32.3215, 43.9732 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(80, 167, 172) }
```


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

```
.border{ border-color:rgb(80, 167, 172) }
```

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

Here you see how a box with a 4 pixel rgb(80, 167, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 167, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 167, 172);  
box-shadow:4px 4px 4px 4px rgb(80, 167,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5734, 32.3215, 43.9732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 167, 172) }
```

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

```
.background{ background-color: rgb(80, 167,  
172) }
```

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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