

Converting Colors

XYZ(24.2365, 32.8699, 48.7832)

Have a look what the booklet for
XYZ(24.2365, 32.8699, 48.7832)
contains.

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Color

**XYZ(24.2365, 32.8699,
48.7832)**

Conversions

Conversions Part 1

Format	Color
Hex	36AAB5
RGB	54, 170, 181
RGB Percent	21%, 67%, 71%
CMY	0.7882, 0.3333, 0.2902
CMYK	0.70, 0.06, 0.00, 0.29
HSL	185°, 54%, 46%
HSV	185°, 70%, 71%
XYZ	24.2365, 32.8699, 48.7832
YIQ	136.5700, -72.6670, -21.1710

Conversions

Conversions Part 2

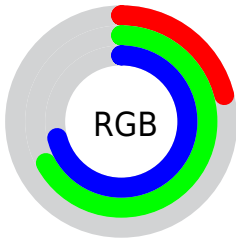
Format	Color
RYB	54, 115, 181
Decimal	3582645
CIELab	64.06, -28.00, -15.01
CIELCh	64, 31.772, 208.195
Yxy	32.8699, 0.2289, 0.3104
Android (android.graphics.Color)	4281772725 (0xFF36AAB5)
YUV	136.5700, 21.9040, -72.4139
Hunter-Lab	57.3323, -24.8729, -10.3164

Details

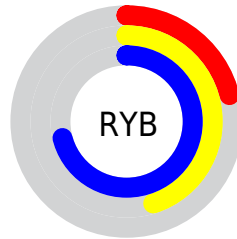
The XYZ color **24.2365, 32.8699, 48.7832** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **21.6130, 13.8716, 5.0293**, and the grayscale version is **23.5566, 24.7834, 26.9892**.

A 20% lighter version of the original color is **49.9536, 64.3587, 89.9104**, and **10.2576, 14.2811, 22.6380** is the 20% darker color. If you saturate the color by 10%, you get **23.1480, 31.8758, 48.6493**, and if you desaturate by 10%, it is **25.6920, 34.0598, 48.9368**.

Distribution



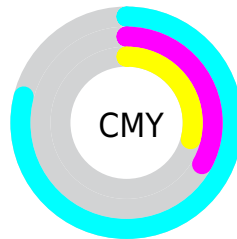
- Red (21%)
- Green (67%)
- Blue (71%)



- Red (21%)
- Yellow (45%)
- Blue (71%)



- Cyan (70%)
- Magenta (6%)
- Yellow (0%)
- Black (29%)



- Cyan (79%)
- Magenta (33%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2365, 32.8699, 48.7832 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 24.2365, 32.8699, 48.7832 by changing the saturation by 10% instead.

■ 24.2365, 32.8699,
48.7832

■ 24.2365, 32.8699,
48.7832

266.4323,
315.0631, 398.4861

■ 15.6348, 22.0268,
34.0831

■ 49.8677, 64.1724,
89.7470

■ 9.3553, 13.8766,
22.6796

■ 67.6280, 85.4005,
116.8479

■ 5.0326, 8.0349,
14.1540

■ 89.1719, 110.8591,
148.9194

■ 2.3014, 4.1173,
8.0879

■ 114.8647,
140.9326, 186.3801

■ 0.7954, 1.7394,
4.0627

■ 145.0717,
176.0053, 229.6486

■ 0.0000, 0.4490,
1.6598

180.1585,

■ 0.0000, 0.0000,

216.4617, 279.1434

0.3330

220.4902,
262.6862, 335.2831

■ 0.0000, 0.0000,
0.0000

■ 24.2365, 32.8699,
48.7832

■ 24.2365, 32.8699,
48.7832

■ 23.1480, 31.8758,
48.6493

■ 25.6920, 34.0598,
48.9368

■ 22.3809, 31.0518,
48.5307

■ 27.5473, 35.4603,
49.1093

■ 21.8545, 30.3640,
48.4257

■ 29.8351, 37.0891,
49.3031

■ 32.5840, 38.9607,
49.5195

■ 35.8198, 41.0887,
49.7597

■ 39.5667, 43.4855,
50.0248

■ 43.8472, 46.1626,
50.3160

■ 48.6824, 49.1310,
50.6341

■ 54.0922, 52.4010,
50.9801

Harmonies

Analogous

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



23.3857, 32.8699, 35.0170



24.2365, 32.8699, 48.7832



26.9108, 32.8699, 61.1709

Triad

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



24.2365, 32.8699, 48.7832



39.1648, 32.8699, 50.4595



31.5144, 32.8699, 16.3344

Complementary

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



24.2365, 32.8699, 48.7832



21.6130, 13.8716, 5.0293

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.



36.0143, 32.8699, 18.6265



24.2365, 32.8699, 48.7832



40.6856, 32.8699, 36.5738

Square

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



24.2365, 32.8699, 48.7832



35.4992, 32.8699, 62.2904



39.4816, 32.8699, 25.3363



27.3393, 32.8699, 18.1274

Rectangle

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



24.2365, 32.8699, 48.7832



29.5094, 32.8699, 65.8428



39.4816, 32.8699, 25.3363



33.0408, 32.8699, 16.6388

Sweetspot

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



24.2375, 32.8711, 48.7840



63.4155, 73.1102, 89.0639



18.9881, 34.2096, 10.5413



13.3541, 15.5718, 19.2241



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.2375, 32.8711, 48.7840



40.6704, 56.2792, 87.0140



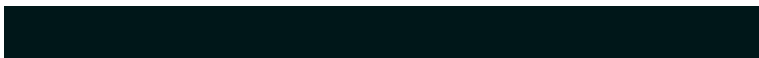
15.1118, 14.6197, 45.7421



8.6785, 9.5032, 10.8832



15.0912, 20.9828, 33.3917



0.4931, 0.6968, 1.0567

Inverse Universe

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



27.6318, 15.3653, 39.5409



47.4012, 23.9884, 68.1415



27.4529, 25.5514, 6.9759



8.8177, 8.6338, 10.5382



17.8520, 8.6584, 25.4444



0.5709, 0.2761, 0.8492

Previews

White Background



This preview shows how the XYZ color 24.2365, 32.8699, 48.7832 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 24.2365, 32.8699, 48.7832 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 24.2365, 32.8699, 48.7832

Background



This preview shows how black text looks on a background with the XYZ color 24.2365, 32.8699, 48.7832.

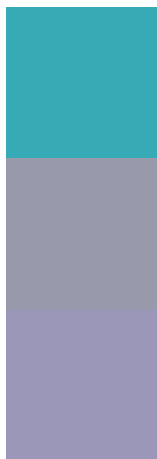


This preview shows how white text looks on a background with the XYZ color 24.2365, 32.8699,

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

24.2365, 32.8699, 48.7832

Protanopia

31.5958, 32.3601, 42.6111

Deuteranopia

33.1500, 32.5060, 50.4260



Tritanopia

24.4975, 32.9806, 49.8745

Trichromacy



Original Color

24.2365, 32.8699, 48.7832

Protanomaly

27.2406, 31.5653, 44.7014

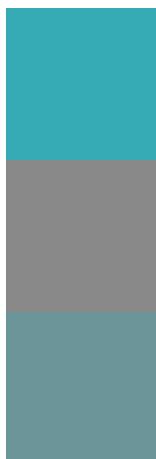
Deuteranomaly

28.3498, 31.7660, 49.9847

Tritanomaly

24.3938, 32.9391, 49.3282

Monochromacy



Original Color

24.2365, 32.8699, 48.7832

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

22.5606, 26.9206, 34.1441

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2365, 32.8699, 48.7832 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(54, 170, 181)` looks like.

```
.text, #text, p{  
    color:rgb(54, 170, 181)  
}
```

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(54, 170, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 170, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.2365, 32.8699, 48.7832 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(54, 170, 181) }
```


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

```
.border{ border-color:rgb(54, 170, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 170, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 170, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 170, 181);  
box-shadow:4px 4px 4px 4px rgb(54, 170,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2365, 32.8699, 48.7832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 170, 181) }
```

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

```
.background{ background-color: rgb(54, 170,  
181) }
```

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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