

Converting Colors

XYZ(24.3784, 36.2696, 43.2520)

Have a look what the booklet for
XYZ(24.3784, 36.2696, 43.2520)
contains.

XYZ(24.3784, 36.2696, 43.2520)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.3784, 36.2696,
43.2520)**

Conversions

Conversions Part 1

Format	Color
Hex	23B5A9
RGB	35, 181, 169
RGB Percent	14%, 71%, 66%
CMY	0.8627, 0.2902, 0.3372
CMYK	0.81, 0.00, 0.07, 0.29
HSL	175°, 68%, 42%
HSV	175°, 81%, 71%
XYZ	24.3784, 36.2696, 43.2520
YIQ	135.9780, -83.1640, -34.6840

Conversions

Conversions Part 2

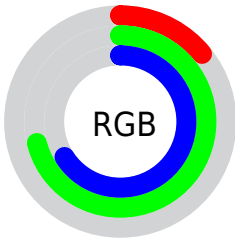
Format	Color
RYB	35, 111, 181
Decimal	2340265
CIELab	66.73, -38.89, -4.39
CIELCh	67, 39.140, 186.441
Yxy	36.2696, 0.2346, 0.3491
Android (android.graphics.Color)	4280530345 (0xFF23B5A9)
YUV	135.9780, 16.2798, -88.5577
Hunter-Lab	60.2242, -33.1367, -0.4241

Details

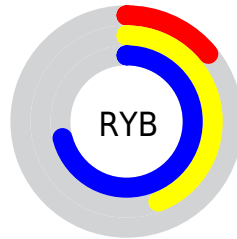
The XYZ color **24.3784, 36.2696, 43.2520** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **20.1713, 11.2321, 3.7954**, and the grayscale version is **23.3583, 24.5748, 26.7619**.

A 20% lighter version of the original color is **50.2134, 69.7190, 81.3316**, and **10.8003, 16.4631, 19.4381** is the 20% darker color. If you saturate the color by 10%, you get **23.7766, 35.9762, 42.4995**, and if you desaturate by 10%, it is **25.3005, 36.7296, 44.0294**.

Distribution



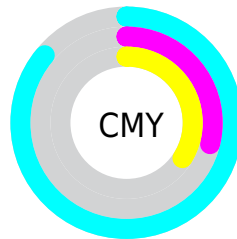
- Red (14%)
- Green (71%)
- Blue (66%)



- Red (14%)
- Yellow (44%)
- Blue (71%)



- Cyan (81%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)





- Cyan (86%)
- Magenta (29%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.3784, 36.2696, 43.2520 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 24.3784, 36.2696, 43.2520 by changing the saturation by 10% instead.


 24.3784, 36.2696,
43.2520


 24.3784, 36.2696,
43.2520

267.1331,
330.1374, 375.5987


 15.7408, 24.6425,
29.7500


 50.0972, 69.4480,
81.3814


 9.4306, 15.8109,
19.3985


 67.9091, 91.7680,
106.8460


 5.0825, 9.3904,
11.7788


 89.5098, 118.4212,
137.1351

 2.3310, 4.9967,
6.4726

 115.2647,
149.7919, 172.6674

 0.8104, 2.2453,
3.0611

 145.5391,
186.2644, 213.8613

 0.0000, 0.7445,
1.1259

180.6984,

 0.0000, 0.0000,

228.2233, 261.1355

0.0000

221.1080,
276.0528, 314.9085

■ 24.3784, 36.2696,
43.2520

■ 24.3784, 36.2696,
43.2520

■ 23.7766, 35.9762,
42.4995

■ 25.3005, 36.7296,
44.0294

■ 23.4187, 35.8066,
41.8128

■ 26.5826, 37.3741,
44.8311

■ 28.2621, 38.2233,
45.6598

■ 30.3706, 39.2935,
46.5170

■ 32.9369, 40.5995,
47.4040

■ 35.9871, 42.1547,
48.3221

■ 39.5452, 43.9717,
49.2724

■ 43.6339, 46.0619,
50.2560

■ 48.2742, 48.4364,
51.2739

Harmonies

Analogous

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



25.0792, 36.2696, 27.8700



24.3784, 36.2696, 43.2520



26.1235, 36.2696, 62.1220

Triad

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



24.3784, 36.2696, 43.2520



41.6655, 36.2696, 71.8448



39.2125, 36.2696, 16.5577

Complementary

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



24.3784, 36.2696, 43.2520



20.1713, 11.2321, 3.7954

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.



44.4357, 36.2696, 23.1566



24.3784, 36.2696, 43.2520



45.9612, 36.2696, 53.9635

Square

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



24.3784, 36.2696, 43.2520



35.7624, 36.2696, 81.4080



47.0288, 36.2696, 35.9554



33.2153, 36.2696, 15.1938

Rectangle

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



24.3784, 36.2696, 43.2520



28.5709, 36.2696, 73.2515



47.0288, 36.2696, 35.9554



41.1370, 36.2696, 18.1222

Sweetspot

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



24.3795, 36.2710, 43.2529



62.3010, 74.3995, 85.9189



18.0084, 33.7788, 7.1617



13.0546, 15.8709, 18.4456



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.



24.3795, 36.2710, 43.2529



42.0629, 64.1856, 75.0655



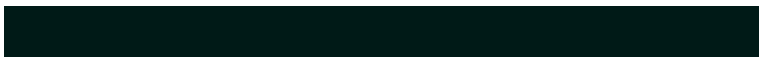
15.7715, 17.1683, 46.2001



8.7119, 9.6193, 10.7426



16.1561, 24.6884, 28.8885



0.5171, 0.7803, 0.9554

Inverse Universe

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



20.1713, 11.2321, 3.7954



34.3890, 17.8204, 2.5896



23.5285, 18.2821, 3.8796



8.5238, 8.5162, 8.9907



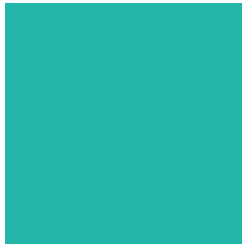
13.2068, 6.8003, 0.9831



0.4248, 0.2177, 0.0798

Previews

White Background



This preview shows how the XYZ color 24.3784, 36.2696, 43.2520 looks on a white background.

Color Contrast Check

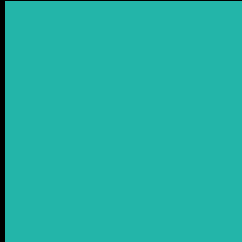
Large Text (above 18pt) WCAG AA × Fail

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 24.3784, 36.2696, 43.2520 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

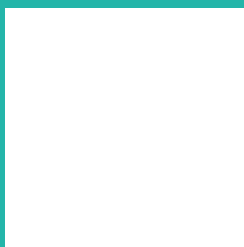
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 24.3784, 36.2696, 43.2520

Background



This preview shows how black text looks on a background with the XYZ color 24.3784, 36.2696, 43.2520.

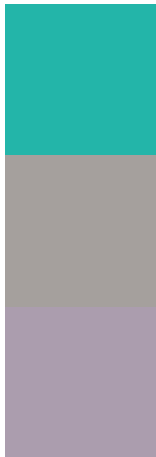


This preview shows how white text looks on a background with the XYZ color 24.3784, 36.2696,

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

24.3784, 36.2696, 43.2520

Protanopia

34.1737, 35.5753, 36.9639

Deuteranopia

36.4915, 35.8279, 45.0366



Tritanopia

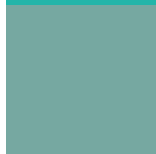
26.9030, 36.4034, 55.4778

Trichromacy



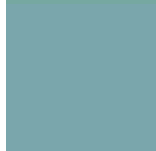
Original Color

24.3784, 36.2696, 43.2520



Protanomaly

27.9069, 34.4300, 38.8930



Deuteranomaly

29.1087, 34.3886, 44.1332



Tritanomaly

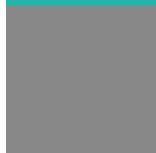
25.8985, 36.2817, 50.9855

Monochromacy



Original Color

24.3784, 36.2696, 43.2520



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

21.7191, 27.2472, 32.1315

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3784, 36.2696, 43.2520 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(35, 181, 169)` looks like.

```
.text, #text, p{  
    color:rgb(35, 181, 169)  
}
```

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(35, 181, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 181, 169) }
```

Border

The CSS property to change the border of an element to XYZ 24.3784, 36.2696, 43.2520 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(35, 181, 169) }
```


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

```
.border{ border-color:rgb(35, 181, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 181, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 181, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 181, 169);  
box-shadow:4px 4px 4px 4px rgb(35, 181,  
169) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3784, 36.2696, 43.2520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 181, 169) }
```

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

```
.background{ background-color: rgb(35, 181,  
169) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor