

Converting Colors

XYZ(23.3457, 34.1631, 46.4048)

Have a look what the booklet for
XYZ(23.3457, 34.1631, 46.4048)
contains.

XYZ(23.3618, 34.1853, 46.4414)	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(23.3618, 34.1853,
46.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	00B0B0
RGB	0, 176, 176
RGB Percent	0%, 69%, 69%
CMY	0.9999, 0.3098, 0.3098
CMYK	1.00, 0.00, 0.00, 0.31
HSL	180°, 100%, 35%
HSV	180°, 100%, 69%
XYZ	23.3618, 34.1853, 46.4414
YIQ	123.3760, -104.8960, -37.3120

Conversions

Conversions Part 2

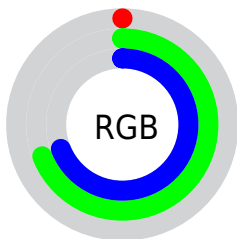
Format	Color
RYB	0, 88, 176
Decimal	45232
CIELab	65.11, -36.41, -10.71
CIELCh	65, 37.948, 196.386
Yxy	34.1853, 0.2247, 0.3287
Android (android.graphics.Color)	4278235312 (0xFF00B0B0)
YUV	123.3760, 25.9436, -108.2008
Hunter-Lab	58.4682, -30.9971, -6.1664

Details

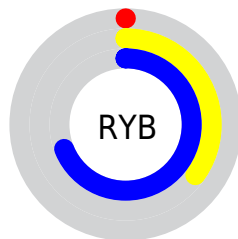
The XYZ color **23.3618, 34.1853, 46.4414** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **17.9056, 9.2312, 0.8390**, and the grayscale version is **18.8961, 19.8802, 21.6495**.

A 20% lighter version of the original color is **48.4591, 66.1361, 86.5554**, and **10.7210, 15.6212, 21.5189** is the 20% darker color. If you saturate the color by 10%, you get **23.3625, 34.1864, 46.4422**, and if you desaturate by 10%, it is **23.6051, 34.3114, 46.4536**.

Distribution



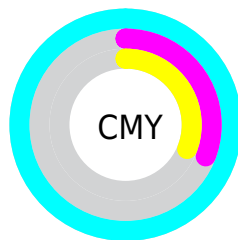
- Red (0%)
- Green (69%)
- Blue (69%)



- Red (0%)
- Yellow (35%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (0%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3618, 34.1853, 46.4414 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 23.3618, 34.1853, 46.4414 by changing the saturation by 10% instead.

23.3618, 34.1853,
46.4414

23.3618, 34.1853,
46.4414

262.0786,
320.9575, 388.9094

14.9830, 23.0360,
32.2431

48.4490, 66.2217,
86.2204

8.8937, 14.6201,
21.2809

65.8882, 87.8776,
112.6383

4.7285, 8.5532,
13.1362

87.0782, 113.8045,
143.9663

2.1220, 4.4509,
7.3906

112.3845,
144.3868, 180.6232

0.7011, 1.9289,
3.6254

142.1723,
180.0088, 223.0274

0.0000, 0.5656,
1.4222

176.8070,

0.0000, 0.0000,

221.0550, 271.5975

0.1589

216.6540,
267.9098, 326.7520

■ 0.0000, 0.0000,
0.0000

■ 23.3618, 34.1853,
46.4414

■ 23.3618, 34.1853,
46.4414

■ 23.3625, 34.1864,
46.4422

■ 23.6051, 34.3114,
46.4536

■ 24.0635, 34.5478,
46.4752

■ 24.8218, 34.9387,
46.5107

■ 25.9195, 35.5046,
46.5622

■ 27.3900, 36.2627,
46.6311

■ 29.2628, 37.2281,
46.7188

■ 31.5642, 38.4145,
46.8266

■ 34.3186, 39.8345,
46.9556

■ 37.5485, 41.4995,
47.1068

Harmonies

Analogous

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



23.2556, 34.1853, 30.5356



23.3618, 34.1853, 46.4414



25.7266, 34.1853, 63.7528

Triad

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



23.3618, 34.1853, 46.4414



40.7701, 34.1853, 62.2803



35.0467, 34.1853, 14.8561

Complementary

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



23.3618, 34.1853, 46.4414



17.9056, 9.2312, 0.8390

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.



40.3505, 34.1853, 19.3114



23.3618, 34.1853, 46.4414



43.8982, 34.1853, 44.8195

Square

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



23.3618, 34.1853, 46.4414



35.5693, 34.1853, 74.5176



43.7365, 34.1853, 29.3114



29.5977, 34.1853, 15.0627

Rectangle

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



23.3618, 34.1853, 46.4414



28.4355, 34.1853, 72.4615



43.7365, 34.1853, 29.3114



36.9172, 34.1853, 15.7888

Sweetspot

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



23.3628, 34.1866, 46.4422



56.9981, 69.5416, 84.9136



15.5631, 31.0709, 5.1779



11.9635, 14.8703, 18.3839



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.3628, 34.1866, 46.4422



42.3704, 62.0007, 84.2280



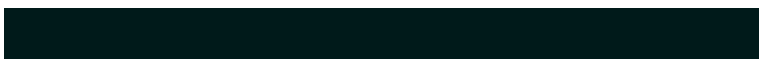
11.5739, 10.6084, 42.5133



8.7427, 9.6316, 10.9046



17.1409, 25.0823, 34.0744



0.5393, 0.7892, 1.0721

Inverse Universe

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



17.9056, 9.2312, 0.8390



32.4729, 16.7404, 1.5198



21.1604, 15.7407, 1.9239



8.4964, 8.5053, 8.8464



13.1369, 6.7723, 0.6148



0.4133, 0.2131, 0.0194

Previews

White Background



This preview shows how the XYZ color 23.3618, 34.1853, 46.4414 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 23.3618, 34.1853, 46.4414 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

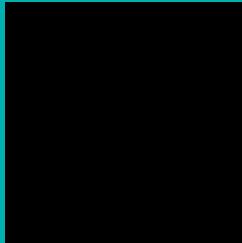
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

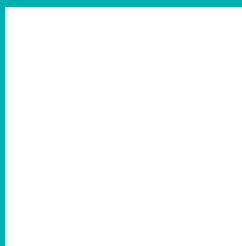
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3618, 34.1853, 46.4414

Background



This preview shows how black text looks on a background with the XYZ color 23.3618, 34.1853, 46.4414.

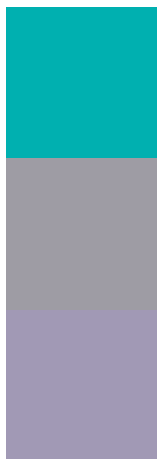


This preview shows how white text looks on a background with the XYZ color 23.3618, 34.1853,

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

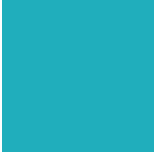
23.3618, 34.1853, 46.4414

Protanopia

32.6899, 33.7264, 39.9089

Deuteranopia

34.4297, 33.6957, 48.4053



Tritanopia

24.8088, 34.2100, 52.8726

Trichromacy



Original Color

23.3618, 34.1853, 46.4414

Protanomaly

25.5319, 31.7882, 41.8359

Deuteranomaly

26.3610, 31.5692, 47.3519

Tritanomaly

24.2702, 34.2694, 50.6829

Monochromacy



Original Color

23.3618, 34.1853, 46.4414

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

17.6974, 22.9187, 29.0822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3618, 34.1853, 46.4414 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(0, 176, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 176)  
}
```

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(0, 176, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 176) }
```

Border

The CSS property to change the border of an element to XYZ 23.3618, 34.1853, 46.4414 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(0, 176, 176) }
```


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

```
.border{ border-color:rgb(0, 176, 176) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
176) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3618, 34.1853, 46.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 176) }
```

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

```
.background{ background-color: rgb(0, 176,  
176) }
```

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