

Converting Colors

XYZ(23.3847, 32.8017, 41.8214)

Have a look what the booklet for
XYZ(23.3847, 32.8017, 41.8214)
contains.

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Color

**XYZ(23.4014, 32.8765,
41.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	3CABA7
RGB	60, 171, 167
RGB Percent	24%, 67%, 65%
CMY	0.7647, 0.3294, 0.3451
CMYK	0.65, 0.00, 0.02, 0.33
HSL	178°, 48%, 45%
HSV	178°, 65%, 67%
XYZ	23.4014, 32.8765, 41.6716
YIQ	137.3550, -64.8720, -24.7760

Conversions

Conversions Part 2

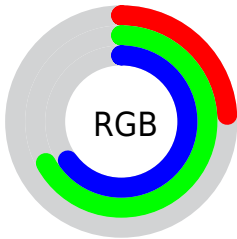
Format	Color
RYB	60, 117, 171
Decimal	3976103
CIELab	64.06, -31.71, -7.17
CIElCh	64, 32.511, 192.745
Yxy	32.8765, 0.2389, 0.3356
Android (android.graphics.Color)	4282166183 (0xFF3CABA7)
YUV	137.3550, 14.6150, -67.8403
Hunter-Lab	57.3380, -27.4903, -2.9536

Details

The XYZ color **23.4014, 32.8765, 41.6716** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **19.3369, 12.2607, 6.1989**, and the grayscale version is **23.8772, 25.1206, 27.3564**.

A 20% lighter version of the original color is **48.5391, 64.2770, 78.9557**, and **9.5729, 14.1947, 18.4550** is the 20% darker color. If you saturate the color by 10%, you get **22.4740, 32.4057, 41.3321**, and if you desaturate by 10%, it is **24.6648, 33.5220, 42.0297**.

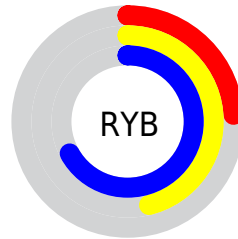
Distribution



Red (24%)

Green (67%)

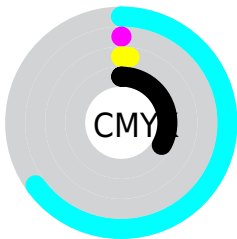
Blue (65%)



Red (24%)

Yellow (46%)

Blue (67%)

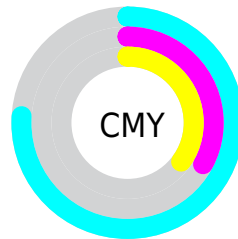


Cyan (65%)

Magenta (0%)

Yellow (2%)

Black (33%)



Cyan (76%)

Magenta (33%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.4014, 32.8765, 41.6716 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 23.4014, 32.8765, 41.6716 by changing the saturation by 10% instead.

■ 23.4014, 32.8765,
41.6716

■ 23.4014, 32.8765,
41.6716

262.2770,
315.0929, 368.8792

■ 15.0125, 22.0319,
28.5206

■ 48.5134, 64.1827,
78.9671

■ 8.9145, 13.8803,
18.4760

■ 65.9672, 85.4130,
103.9486

■ 4.7421, 8.0375,
11.1193

■ 87.1734, 110.8740,
133.7108

■ 2.1300, 4.1189,
6.0320

■ 112.4973,
140.9500, 168.6720

■ 0.7054, 1.7403,
2.7954

■ 142.3042,
176.0255, 209.2510

■ 0.0000, 0.4496,
0.9911

176.9596,

■ 0.0000, 0.0000,

216.4849, 255.8661

0.0000

216.8287,
262.7126, 308.9360

■ 23.4014, 32.8765,
41.6716

■ 23.4014, 32.8765,
41.6716

■ 22.4740, 32.4057,
41.3321

■ 24.6648, 33.5220,
42.0297

■ 21.8461, 32.0886,
41.0073

■ 26.2904, 34.3533,
42.4055

■ 21.4777, 31.9052,
40.6961

■ 28.3050, 35.3852,
42.8008

■ 21.3402, 31.8376,
40.5405

■ 30.7321, 36.6298,
43.2169

■ 33.5936, 38.0982,
43.6548

■ 36.9094, 39.8008,
44.1154

■ 40.6986, 41.7474,
44.5995

■ 44.9789, 43.9472,
45.1080

■ 49.7673, 46.4088,
45.6418

Harmonies

Analogous

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



23.5501, 32.8765, 28.8061



23.4014, 32.8765, 41.6716



25.2007, 32.8765, 55.8546

Triad

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



23.4014, 32.8765, 41.6716



37.6339, 32.8765, 57.7698



33.9418, 32.8765, 16.6679

Complementary

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



23.4014, 32.8765, 41.6716



19.3369, 12.2607, 6.1989

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.



38.1930, 32.8765, 21.2278



23.4014, 32.8765, 41.6716



40.4638, 32.8765, 43.8360

Square

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



23.4014, 32.8765, 41.6716



33.2372, 32.8765, 66.5679



40.6779, 32.8765, 30.5021



29.3401, 32.8765, 16.3603

Rectangle

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



23.4014, 32.8765, 41.6716



27.3756, 32.8765, 63.3180



40.6779, 32.8765, 30.5021



35.4696, 32.8765, 17.6913

Sweetspot

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



23.4024, 32.8778, 41.6724



57.7958, 67.0149, 77.8288



17.5961, 30.5960, 9.2539



12.5745, 14.7834, 17.3076



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.



23.4024, 32.8778, 41.6724



39.6833, 57.7489, 73.7579



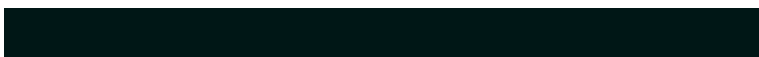
16.0586, 17.5890, 41.0781



8.2237, 9.0670, 10.2028



16.0911, 24.0017, 30.5833



0.4514, 0.6692, 0.8707

Inverse Universe

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



19.3369, 12.2607, 6.1989



31.8592, 17.9627, 5.4081



23.1819, 20.1265, 6.9386



8.0165, 8.0199, 8.3978



12.6904, 6.5387, 0.7490



0.3567, 0.1834, 0.0404

Previews

White Background



This preview shows how the XYZ color 23.4014, 32.8765, 41.6716 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 23.4014, 32.8765, 41.6716 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

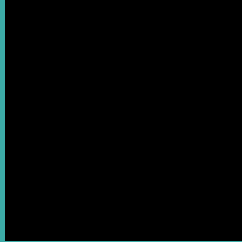
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 23.4014, 32.8765, 41.6716

Background



This preview shows how black text looks on a background with the XYZ color 23.4014, 32.8765, 41.6716.

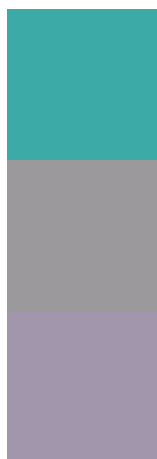


This preview shows how white text looks on a background with the XYZ color 23.4014, 32.8765,

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

23.4014, 32.8765, 41.6716

Protanopia

31.1023, 32.2507, 36.0382

Deuteranopia

33.0507, 32.3683, 43.5355



Tritanopia

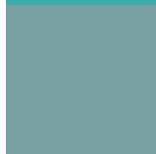
25.0154, 32.9823, 49.3037

Trichromacy



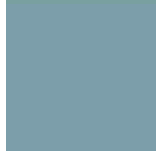
Original Color

23.4014, 32.8765, 41.6716



Protanomaly

26.8011, 31.7446, 37.9725



Deuteranomaly

27.7947, 31.6411, 42.6726



Tritanomaly

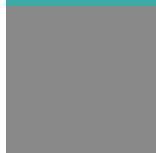
24.4905, 33.0476, 46.6830

Monochromacy



Original Color

23.4014, 32.8765, 41.6716



Achromatopsia

23.7775, 25.0158, 27.2422



Achromatomaly

22.3994, 26.8842, 32.0256

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.4014, 32.8765, 41.6716 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(60, 171, 167)` looks like.

```
.text, #text, p{  
    color:rgb(60, 171, 167)  
}
```

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(60, 171, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 171, 167) }
```

Border

The CSS property to change the border of an element to XYZ 23.4014, 32.8765, 41.6716 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(60, 171, 167) }
```


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

```
.border{ border-color:rgb(60, 171, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 171, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 171, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 171, 167);  
box-shadow:4px 4px 4px 4px rgb(60, 171,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 23.4014, 32.8765, 41.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 171, 167) }
```

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

```
.background{ background-color: rgb(60, 171,  
167) }
```

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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