

Converting Colors

XYZ(14.4968, 20.4609, 30.7695)

Have a look what the booklet for
XYZ(14.4968, 20.4609, 30.7695)
contains.

XYZ(14.4300, 20.3223, 30.7658)	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(14.4300, 20.3223,
30.7658)**

Conversions

Conversions Part 1

Format	Color
Hex	068A93
RGB	6, 138, 147
RGB Percent	2%, 54%, 58%
CMY	0.9764, 0.4588, 0.4235
CMYK	0.96, 0.06, 0.00, 0.42
HSL	184°, 92%, 30%
HSV	184°, 96%, 58%
XYZ	14.4300, 20.3223, 30.7658
YIQ	99.5580, -81.5610, -25.1850

Conversions

Conversions Part 2

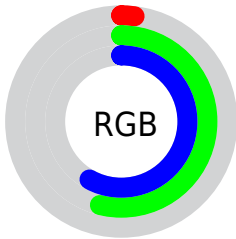
Format	Color
RYB	6, 74, 147
Decimal	428691
CIELab	52.20, -27.23, -13.65
CIELCh	52, 30.461, 206.632
Yxy	20.3223, 0.2202, 0.3102
Android (android.graphics.Color)	4278618771 (0xFF068A93)
YUV	99.5580, 23.3889, -82.0504
Hunter-Lab	45.0803, -21.7534, -8.9073

Details

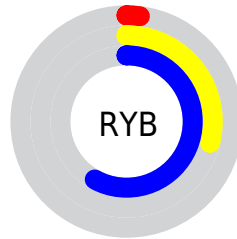
The XYZ color **14.4300, 20.3223, 30.7658** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **12.2368, 6.5584, 0.7937**, and the grayscale version is **11.9596, 12.5824, 13.7022**.

A 20% lighter version of the original color is **33.5121, 44.0402, 61.9927**, and **5.5195, 7.6609, 12.2541** is the 20% darker color. If you saturate the color by 10%, you get **14.3003, 20.1742, 30.7444**, and if you desaturate by 10%, it is **14.7938, 20.7110, 30.8220**.

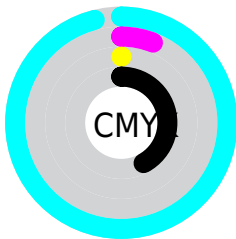
Distribution



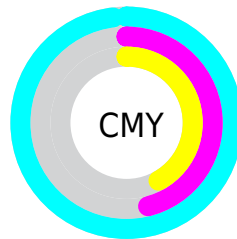
- Red (2%)
- Green (54%)
- Blue (58%)



- Red (2%)
- Yellow (29%)
- Blue (58%)



- Cyan (96%)
- Magenta (6%)
- Yellow (0%)
- Black (42%)



- Cyan (98%)
- Magenta (46%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4300, 20.3223, 30.7658 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 14.4300, 20.3223, 30.7658 by changing the saturation by 10% instead.

■ 14.4300, 20.3223,
30.7658

■ 14.4300, 20.3223,
30.7658

■ 213.3472,
253.6546, 319.7756

■ 8.5040, 12.6295,
20.1636

■ 33.4300, 43.9569,
61.9464

■ 4.4736, 7.1739,
12.3288

■ 47.2348, 60.6675,
83.3619

■ 1.9734, 3.5711,
6.8427

■ 64.3965, 81.1529,
109.2189

■ 0.6190, 1.4367,
3.2870

■ 85.2806, 105.7974,
139.9360

■ 0.0000, 0.2435,
1.2430

■ 110.2523,
134.9854, 175.9316

■ 0.0000, 0.0000,
0.0144

■ 139.6771,

■ 0.0000, 0.0000,

169.1013, 217.6244

0.0000

173.9203,
208.5296, 265.4329

■ 14.4300, 20.3223,
30.7658

■ 14.4300, 20.3223,
30.7658

■ 14.3003, 20.1742,
30.7444

■ 14.7938, 20.7110,
30.8220

■ 15.3342, 21.1920,
30.8864

■ 16.0856, 21.7835,
30.9610

■ 17.0710, 22.4974,
31.0468

■ 18.3106, 23.3441,
31.1449

■ 19.8224, 24.3329,
31.2561

■ 21.6227, 25.4722,
31.3811

■ 23.7266, 26.7697,
31.5207

■ 26.1481, 28.2326,
31.6754

Harmonies

Analogous

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



13.9202, 20.3223, 21.1324



14.4300, 20.3223, 30.7658



16.1977, 20.3223, 39.8207

Triad

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



14.4300, 20.3223, 30.7658



24.7770, 20.3223, 32.9978



19.6707, 20.3223, 9.0173

Complementary

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



14.4300, 20.3223, 30.7658



12.2368, 6.5584, 0.7937

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.



22.8102, 20.3223, 10.6487



14.4300, 20.3223, 30.7658



25.9514, 20.3223, 23.1534

Square

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



14.4300, 20.3223, 30.7658



22.1343, 20.3223, 41.3345



25.1959, 20.3223, 15.2795



16.7472, 20.3223, 10.0402

Rectangle

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



14.4300, 20.3223, 30.7658



17.9604, 20.3223, 43.4294



25.1959, 20.3223, 15.2795



20.7376, 20.3223, 9.2592

Sweetspot

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



14.4306, 20.3230, 30.7663



37.4717, 44.8317, 56.1130



10.5822, 20.9358, 3.8662



8.2704, 10.0543, 12.7896



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



14.4306, 20.3230, 30.7663



25.5603, 36.0301, 55.0419



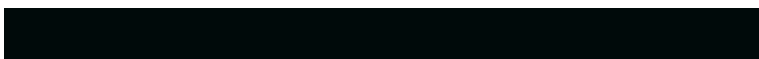
7.4983, 6.4584, 28.4555



5.9328, 6.4995, 7.4116



12.4043, 17.5034, 26.6558



0.1595, 0.2296, 0.3288

Inverse Universe

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



16.6857, 8.1688, 24.7429



29.6898, 14.3652, 43.8787



15.2018, 12.4885, 1.7820



6.0195, 5.9029, 7.2088



14.3882, 6.9603, 21.3230



0.1800, 0.0867, 0.2815

Previews

White Background



This preview shows how the XYZ color 14.4300, 20.3223, 30.7658 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 14.4300, 20.3223, 30.7658 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

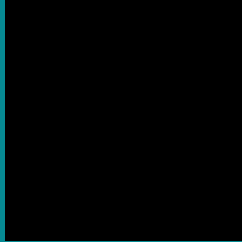
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.4300, 20.3223, 30.7658

Background



This preview shows how black text looks on a background with the XYZ color 14.4300, 20.3223, 30.7658.

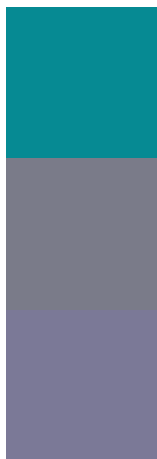


This preview shows how white text looks on a background with the XYZ color 14.4300, 20.3223,

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

14.4300, 20.3223, 30.7658

Protanopia

19.6244, 20.1096, 26.5141

Deuteranopia

20.5917, 20.1201, 32.0764



Tritanopia

14.6793, 20.4324, 31.6039

Trichromacy



Original Color

14.4300, 20.3223, 30.7658

Protanomaly

15.8352, 19.0669, 28.0450

Deuteranomaly

16.4027, 19.0862, 31.6737

Tritanomaly

14.5589, 20.3796, 31.1833

Monochromacy



Original Color

14.4300, 20.3223, 30.7658

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

11.4750, 14.4772, 19.0192

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4300, 20.3223, 30.7658 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(6, 138, 147)` looks like.

```
.text, #text, p{  
    color:rgb(6, 138, 147)  
}
```

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(6, 138, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 138, 147) }
```

Border

The CSS property to change the border of an element to XYZ 14.4300, 20.3223, 30.7658 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(6, 138, 147) }
```


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

```
.border{ border-color:rgb(6, 138, 147) }
```

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

Here you see how a box with a 4 pixel rgb(6, 138, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 138, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 138, 147);  
box-shadow:4px 4px 4px 4px rgb(6, 138,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4300, 20.3223, 30.7658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 138, 147) }
```

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

```
.background{ background-color: rgb(6, 138,  
147) }
```

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