

Converting Colors

XYZ(15.4167, 20.5619, 28.4056)

Have a look what the booklet for
XYZ(15.4167, 20.5619, 28.4056)
contains.

XYZ(15.3568, 20.4309, 28.3335)	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(15.3568, 20.4309,
28.3335)**

Conversions

Conversions Part 1

Format	Color
Hex	3A888D
RGB	58, 136, 141
RGB Percent	23%, 53%, 55%
CMY	0.7725, 0.4667, 0.4471
CMYK	0.59, 0.04, 0.00, 0.45
HSL	184°, 42%, 39%
HSV	184°, 59%, 55%
XYZ	15.3568, 20.4309, 28.3335
YIQ	113.2480, -48.0930, -14.9810

Conversions

Conversions Part 2

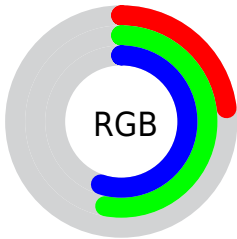
Format	Color
RYB	58, 98, 141
Decimal	3836045
CIELab	52.32, -22.16, -9.89
CIELCh	52, 24.267, 204.054
Yxy	20.4309, 0.2395, 0.3186
Android (android.graphics.Color)	4282026125 (0xFF3A888D)
YUV	113.2480, 13.6817, -48.4525
Hunter-Lab	45.2006, -18.4559, -5.5249

Details

The XYZ color **15.3568, 20.4309, 28.3335** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.5262, 9.5238, 5.1290**, and the grayscale version is **15.7411, 16.5609, 18.0348**.

A 20% lighter version of the original color is **35.2032, 44.3444, 58.3337**, and **5.2161, 7.4109, 11.0531** is the 20% darker color. If you saturate the color by 10%, you get **14.5277, 19.8271, 28.2610**, and if you desaturate by 10%, it is **16.4126, 21.1539, 28.4178**.

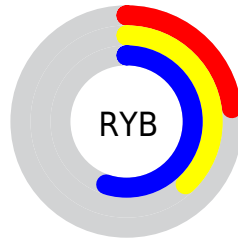
Distribution



Red (23%)

Green (53%)

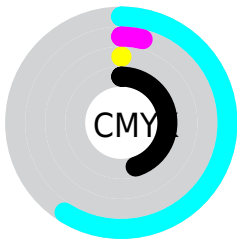
Blue (55%)



Red (23%)

Yellow (38%)

Blue (55%)

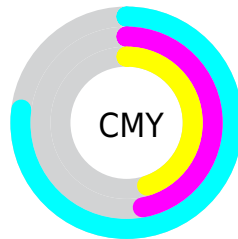


Cyan (59%)

Magenta (4%)

Yellow (0%)

Black (45%)



Cyan (77%)

Magenta (47%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.3568, 20.4309, 28.3335 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 15.3568, 20.4309, 28.3335 by changing the saturation by 10% instead.

■ 15.3568, 20.4309,
28.3335

■ 15.3568, 20.4309,
28.3335

218.8616,
254.2384, 308.0190

■ 9.1581, 12.7087,
18.3360

■ 35.0444, 44.1384,
58.0459

■ 4.9024, 7.2282,
11.0195

■ 49.2641, 60.8925,
78.5980

■ 2.2243, 3.6052,
5.9656

■ 66.8882, 81.4260,
103.5052

■ 0.7555, 1.4553,
2.7557

■ 88.2820, 106.1233,
133.1862

■ 0.0000, 0.2569,
0.9713

■ 113.8109,
135.3688, 168.0596

■ 0.0000, 0.0000,
0.0000

143.8402,

169.5469, 208.5438

178.7353,
209.0419, 255.0574

■ 15.3568, 20.4309,
28.3335

■ 15.3568, 20.4309,
28.3335

■ 14.5277, 19.8271,
28.2610

■ 16.4126, 21.1539,
28.4178

■ 13.9046, 19.3304,
28.1980

■ 17.7100, 22.0024,
28.5132

■ 13.4663, 18.9304,
28.1439

■ 19.2647, 22.9850,
28.6209

■ 13.1614, 18.6005,
28.0963

■ 21.0905, 24.1088,
28.7416

■ 13.1282, 18.5638,
28.0910

■ 23.2005, 25.3804,
28.8758

■ 25.6065, 26.8061,
29.0242

■ 28.3201, 28.3918,
29.1872

■ 31.3519, 30.1430,
29.3655

■ 34.7122, 32.0649,
29.5593

Harmonies

Analogous

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



15.0248, 20.4309, 20.8518



15.3568, 20.4309, 28.3335



16.7350, 20.4309, 35.3359

Triad

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



15.3568, 20.4309, 28.3335



23.5705, 20.4309, 31.3319



19.9205, 20.4309, 11.1817

Complementary

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



15.3568, 20.4309, 28.3335



13.5262, 9.5238, 5.1290

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.



22.3755, 20.4309, 12.8684



15.3568, 20.4309, 28.3335



24.5958, 20.4309, 23.7006

Square

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



15.3568, 20.4309, 28.3335



21.4422, 20.4309, 37.3104



24.1409, 20.4309, 17.0992



17.5272, 20.4309, 11.9047

Rectangle

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



15.3568, 20.4309, 28.3335



18.1297, 20.4309, 38.2570



24.1409, 20.4309, 17.0992



20.7679, 20.4309, 11.4718

Sweetspot

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



15.3574, 20.4317, 28.3340



37.9374, 43.2766, 51.4816



12.1440, 20.2992, 7.8578



8.2717, 9.5429, 11.4854



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



15.3574, 20.4317, 28.3340



25.5670, 35.1596, 50.5668



10.6771, 11.0709, 26.7739



5.5328, 6.0615, 6.9071



11.9744, 16.9347, 25.6147



0.1199, 0.1728, 0.2467

Inverse Universe

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



16.9420, 10.4670, 24.4207



28.7673, 15.8342, 42.4840



16.6639, 15.7992, 6.1749



5.6124, 5.5055, 6.7230



13.8472, 6.6959, 20.6446



0.1351, 0.0651, 0.2119

Previews

White Background



This preview shows how the XYZ color 15.3568, 20.4309, 28.3335 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 15.3568, 20.4309, 28.3335 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 15.3568, 20.4309, 28.3335

Background



This preview shows how black text looks on a background with the XYZ color 15.3568, 20.4309, 28.3335.

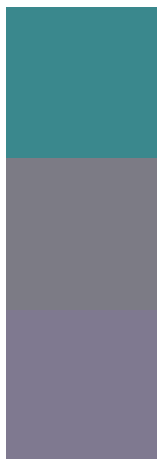


This preview shows how white text looks on a background with the XYZ color 15.3568, 20.4309,

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

15.3568, 20.4309, 28.3335

Protanopia

19.6288, 20.1445, 25.0440

Deuteranopia

20.6238, 20.2004, 29.1976



Tritanopia

15.7158, 20.3639, 30.2965

Trichromacy



Original Color

15.3568, 20.4309, 28.3335

Protanomaly

17.4186, 19.9252, 26.2204

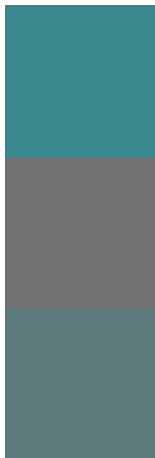
Deuteranomaly

17.8983, 19.7297, 28.8515

Tritanomaly

15.5016, 20.2714, 29.4813

Monochromacy



Original Color

15.3568, 20.4309, 28.3335

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

14.9267, 17.4320, 21.3169

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.3568, 20.4309, 28.3335 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(58, 136, 141)` looks like.

```
.text, #text, p{  
  color:rgb(58, 136, 141)  
}
```

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(58, 136, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 136, 141) }
```

Border

The CSS property to change the border of an element to XYZ 15.3568, 20.4309, 28.3335 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(58, 136, 141) }
```


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

```
.border{ border-color:rgb(58, 136, 141) }
```

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

Here you see how a box with a 4 pixel rgb(58, 136, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 136, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 136, 141);  
box-shadow:4px 4px 4px 4px rgb(58, 136,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 15.3568, 20.4309, 28.3335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 136, 141) }
```

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

```
.background{ background-color: rgb(58, 136,  
141) }
```

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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