

Converting Colors

XYZ(14.9955, 20.4929, 33.2963)

Have a look what the booklet for
XYZ(14.9955, 20.4929, 33.2963)
contains.

XYZ(15.0352, 20.5784, 33.3166)	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(15.0352, 20.5784,
33.3166)**

Conversions

Conversions Part 1

Format	Color
Hex	0F8A99
RGB	15, 138, 153
RGB Percent	6%, 54%, 60%
CMY	0.9411, 0.4588, 0.4000
CMYK	0.90, 0.10, 0.00, 0.40
HSL	187°, 82%, 33%
HSV	187°, 90%, 60%
XYZ	15.0352, 20.5784, 33.3166
YIQ	102.9330, -78.1230, -21.4110

Conversions

Conversions Part 2

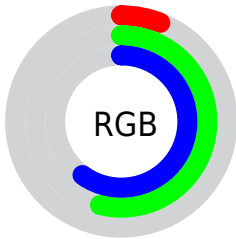
Format	Color
RYB	15, 80, 153
Decimal	1018521
CIELab	52.48, -24.78, -16.69
CIElCh	52, 29.879, 213.966
Yxy	20.5784, 0.2181, 0.2985
Android (android.graphics.Color)	4279208601 (0xFF0F8A99)
YUV	102.9330, 24.6830, -77.1172
Hunter-Lab	45.3634, -20.2242, -11.7904

Details

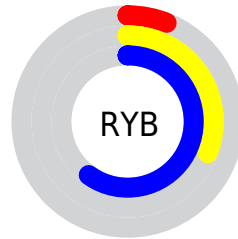
The XYZ color **15.0352, 20.5784, 33.3166** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **13.6880, 7.7362, 1.2243**, and the grayscale version is **12.8275, 13.4955, 14.6966**.

A 20% lighter version of the original color is **34.5258, 44.4796, 65.7972**, and **5.8880, 7.9388, 13.7924** is the 20% darker color. If you saturate the color by 10%, you get **14.6062, 20.0126, 33.2304**, and if you desaturate by 10%, it is **15.6237, 21.2392, 33.4135**.

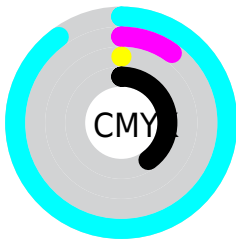
Distribution



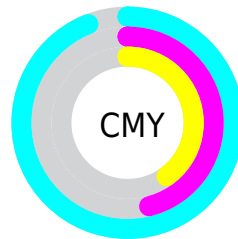
- Red (6%)
- Green (54%)
- Blue (60%)



- Red (6%)
- Yellow (31%)
- Blue (60%)



- Cyan (90%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (94%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.0352, 20.5784, 33.3166 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 15.0352, 20.5784, 33.3166 by changing the saturation by 10% instead.

■ 15.0352, 20.5784,
33.3166

■ 15.0352, 20.5784,
33.3166

■ 216.9633,
255.0294, 331.7496

■ 8.9306, 12.8162,
22.0960

■ 34.4861, 44.3848,
65.9912

■ 4.7527, 7.3021,
13.7285

■ 48.5630, 61.1978,
88.2823

■ 2.1361, 3.6517,
7.7955

■ 66.0281, 81.7965,
115.1006

■ 0.7088, 1.4807,
3.8785

■ 87.2467, 106.5653,
146.8647

■ 0.0000, 0.2751,
1.5589

■ 112.5842,
135.8886, 183.9931

■ 0.0000, 0.0000,
0.2612

■ 142.4059,

■ 0.0000, 0.0000,

170.1507, 226.9043

0.0000

177.0771,
209.7362, 276.0170

■ 15.0352, 20.5784,
33.3166

■ 15.0352, 20.5784,
33.3166

■ 14.6062, 20.0126,
33.2304

■ 15.6237, 21.2392,
33.4135

■ 16.4327, 22.0186,
33.5213

■ 17.4903, 22.9317,
33.6418

■ 18.8202, 23.9906,
33.7761

■ 20.4431, 25.2062,
33.9252

■ 22.3780, 26.5881,
34.0900

■ 24.6419, 28.1451,
34.2712

■ 27.2508, 29.8857,
34.4696

■ 30.2195, 31.8173,
34.6860

Harmonies

Analogous

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



14.2122, 20.5784, 23.6035



15.0352, 20.5784, 33.3166



17.0664, 20.5784, 41.4287

Triad

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



15.0352, 20.5784, 33.3166



25.3959, 20.5784, 30.7320



19.1512, 20.5784, 9.3606

Complementary

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



15.0352, 20.5784, 33.3166



13.6880, 7.7362, 1.2243

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.



22.2835, 20.5784, 10.3343



15.0352, 20.5784, 33.3166



26.1027, 20.5784, 21.2504

Square

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



15.0352, 20.5784, 33.3166



23.0686, 20.5784, 39.6817



24.9102, 20.5784, 14.1833



16.4250, 20.5784, 11.0526

Rectangle

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



15.0352, 20.5784, 33.3166



18.9414, 20.5784, 43.9357



24.9102, 20.5784, 14.1833



20.1902, 20.5784, 9.3905

Sweetspot

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



15.0359, 20.5791, 33.3171



41.0928, 48.3241, 61.1336



11.8081, 22.9723, 4.9621



8.8136, 10.4891, 13.4776



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



15.0359, 20.5791, 33.3171



26.0746, 35.6738, 59.4834



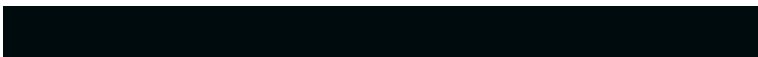
8.1504, 6.8082, 31.0219



6.3272, 6.9118, 7.9296



12.0863, 16.5693, 27.4689



0.1949, 0.2762, 0.4154

Inverse Universe

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



17.8957, 8.9495, 24.8297



31.4904, 15.3139, 43.0374



17.5730, 15.5062, 2.5193



6.4323, 6.3121, 7.6565



14.5594, 7.0780, 20.0025



0.2249, 0.1087, 0.3369

Previews

White Background



This preview shows how the XYZ color 15.0352, 20.5784, 33.3166 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 15.0352, 20.5784, 33.3166 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 15.0352, 20.5784, 33.3166

Background



This preview shows how black text looks on a background with the XYZ color 15.0352, 20.5784, 33.3166.

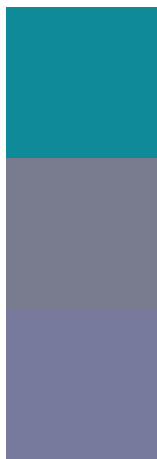


This preview shows how white text looks on a background with the XYZ color 15.0352, 20.5784,

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

15.0352, 20.5784, 33.3166

Protanopia

20.0507, 20.4634, 28.8796

Deuteranopia

20.7911, 20.3465, 34.7297



Tritanopia

14.7376, 20.6672, 32.0666

Trichromacy



Original Color

15.0352, 20.5784, 33.3166

Protanomaly

16.5964, 19.6009, 30.5124

Deuteranomaly

17.1996, 19.6325, 34.3354

Tritanomaly

14.8811, 20.7319, 32.4955

Monochromacy



Original Color

15.0352, 20.5784, 33.3166

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

12.2951, 15.2109, 20.3771

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.0352, 20.5784, 33.3166 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(15, 138, 153)` looks like.

```
.text, #text, p{  
    color:rgb(15, 138, 153)  
}
```

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(15, 138, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(15, 138, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.0352, 20.5784, 33.3166 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(15, 138, 153) }
```


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

```
.border{ border-color:rgb(15, 138, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(15, 138, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(15, 138, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(15, 138, 153);  
box-shadow:4px 4px 4px 4px rgb(15, 138,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.0352, 20.5784, 33.3166 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(15, 138, 153) }
```

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

```
.background{ background-color: rgb(15, 138,  
153) }
```

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