

Converting Colors

XYZ(16.0005, 20.9622, 33.3424)

Have a look what the booklet for
XYZ(16.0005, 20.9622, 33.3424)
contains.

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Color

**XYZ(15.9144, 20.8196,
33.3168)**

Conversions

Conversions Part 1

Format	Color
Hex	308999
RGB	48, 137, 153
RGB Percent	19%, 54%, 60%
CMY	0.8117, 0.4627, 0.4000
CMYK	0.69, 0.10, 0.00, 0.40
HSL	189°, 52%, 39%
HSV	189°, 69%, 60%
XYZ	15.9144, 20.8196, 33.3168
YIQ	112.2130, -58.1800, -13.8920

Conversions

Conversions Part 2

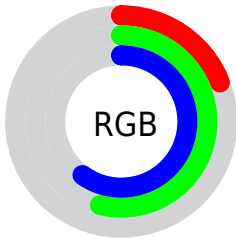
Format	Color
RYB	48, 96, 153
Decimal	3180953
CIELab	52.75, -20.76, -16.23
CIElCh	53, 26.353, 218.027
Yxy	20.8196, 0.2272, 0.2972
Android (android.graphics.Color)	4281371033 (0xFF308999)
YUV	112.2130, 20.1080, -56.3148
Hunter-Lab	45.6285, -17.5923, -11.3521

Details

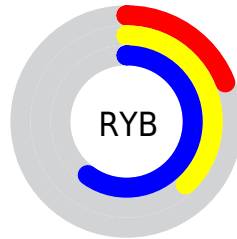
The XYZ color **15.9144, 20.8196, 33.3168** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.5045, 10.6534, 4.0363**, and the grayscale version is **15.4195, 16.2225, 17.6664**.

A 20% lighter version of the original color is **36.0776, 44.9547, 65.8071**, and **5.8065, 7.7757, 13.7652** is the 20% darker color. If you saturate the color by 10%, you get **14.9858, 19.8546, 33.1799**, and if you desaturate by 10%, it is **17.1004, 21.9288, 33.4688**.

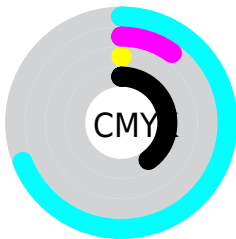
Distribution



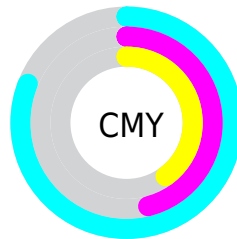
- Red (19%)
- Green (54%)
- Blue (60%)



- Red (19%)
- Yellow (38%)
- Blue (60%)



- Cyan (69%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (81%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9144, 20.8196, 33.3168 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 15.9144, 20.8196, 33.3168 by changing the saturation by 10% instead.

■ 15.9144, 20.8196,
33.3168

■ 15.9144, 20.8196,
33.3168

222.1164,
256.3182, 331.7505

■ 9.5541, 12.9922,
22.0961

■ 36.0082, 44.7871,
65.9915

■ 5.1643, 7.4232,
13.7286

■ 50.4723, 61.6960,
88.2827

■ 2.3797, 3.7281,
7.7955

■ 68.3685, 82.4008,
115.1010

■ 0.8350, 1.5227,
3.8785

■ 90.0620, 107.2860,
146.8652

■ 0.0000, 0.3046,
1.5589

■ 115.9181,
136.7360, 183.9937

■ 0.0000, 0.0000,
0.2613

146.3024,

■ 0.0000, 0.0000,

171.1351, 226.9051

0.0000

181.5800,
210.8677, 276.0178

■ 15.9144, 20.8196,
33.3168

■ 15.9144, 20.8196,
33.3168

■ 14.9858, 19.8546,
33.1799

■ 17.1004, 21.9288,
33.4688

■ 14.2857, 19.0175,
33.0552

■ 18.5650, 23.1918,
33.6354

■ 13.7599, 18.2808,
32.9407

■ 20.3292, 24.6201,
33.8181

■ 13.6908, 18.1819,
32.9253

■ 22.4116, 26.2233,
34.0178

■ 24.8292, 28.0102,
34.2352

■ 27.5979, 29.9889,
34.4713

■ 30.7322, 32.1672,
34.7265

■ 34.2462, 34.5524,
35.0017

■ 38.1531, 37.1511,
35.2974

Harmonies

Analogous

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



15.0077, 20.8196, 24.8465



15.9144, 20.8196, 33.3168



17.8781, 20.8196, 39.7793

Triad

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



15.9144, 20.8196, 33.3168



25.0990, 20.8196, 28.8097



19.0603, 20.8196, 10.7518

Complementary

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



15.9144, 20.8196, 33.3168



15.5045, 10.6534, 4.0363

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.



21.8301, 20.8196, 11.3401



15.9144, 20.8196, 33.3168



25.4897, 20.8196, 20.6226

Square

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



15.9144, 20.8196, 33.3168



23.2220, 20.8196, 36.7861



24.2450, 20.8196, 14.5724



16.7111, 20.8196, 12.7233

Rectangle

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



15.9144, 20.8196, 33.3168



19.6072, 20.8196, 41.3851



24.2450, 20.8196, 14.5724



19.9707, 20.8196, 10.6674

Sweetspot

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



15.9151, 20.8204, 33.3173



43.1948, 49.2349, 61.1987



13.5292, 23.7787, 8.6910



9.2952, 10.6929, 13.4915



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.



15.9151, 20.8204, 33.3173



26.1630, 34.7806, 59.3064



10.1984, 9.3870, 31.4117



6.3044, 6.8661, 7.9220



11.3345, 15.0656, 27.2183



0.1885, 0.2634, 0.4133

Inverse Universe

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



18.7098, 10.6931, 24.7455



31.7961, 16.4361, 41.5650



19.9453, 19.5351, 5.5166



6.4208, 6.3075, 7.5958



14.1799, 6.9262, 18.0041



0.2216, 0.1074, 0.3198

Previews

White Background



This preview shows how the XYZ color 15.9144, 20.8196, 33.3168 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 15.9144, 20.8196, 33.3168 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 15.9144, 20.8196, 33.3168

Background



This preview shows how black text looks on a background with the XYZ color 15.9144, 20.8196, 33.3168.

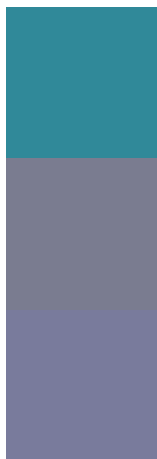


This preview shows how white text looks on a background with the XYZ color 15.9144, 20.8196,

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

15.9144, 20.8196, 33.3168

Protanopia

20.2677, 20.5665, 29.2871

Deuteranopia

20.9689, 20.6312, 34.3295



Tritanopia

15.6400, 20.9277, 31.6489

Trichromacy



Original Color

15.9144, 20.8196, 33.3168

Protanomaly

17.8360, 20.2400, 30.5704

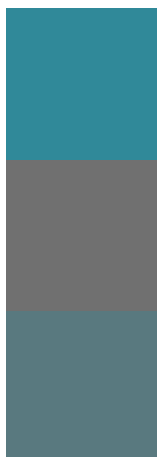
Deuteranomaly

18.2517, 20.1846, 33.9444

Tritanomaly

15.7658, 20.9833, 32.0734

Monochromacy



Original Color

15.9144, 20.8196, 33.3168

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.7880, 17.3309, 22.6445

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9144, 20.8196, 33.3168 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(48, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(48, 137, 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(48, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.9144, 20.8196, 33.3168 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(48, 137, 153) }
```


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

```
.border{ border-color:rgb(48, 137, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 137, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(48, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.9144, 20.8196, 33.3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 137, 153) }
```

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

```
.background{ background-color: rgb(48, 137,  
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](#).

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