

Converting Colors

XYZ(15.8101, 20.7527, 33.3098)

Have a look what the booklet for
XYZ(15.8101, 20.7527, 33.3098)
contains.

XYZ(15.8221, 20.7721, 33.3125)	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(15.8221, 20.7721,
33.3125)**

Conversions

Conversions Part 1

Format	Color
Hex	2E8999
RGB	46, 137, 153
RGB Percent	18%, 54%, 60%
CMY	0.8196, 0.4627, 0.4000
CMYK	0.70, 0.10, 0.00, 0.40
HSL	189°, 54%, 39%
HSV	189°, 70%, 60%
XYZ	15.8221, 20.7721, 33.3125
YIQ	111.6150, -59.3720, -14.3160

Conversions

Conversions Part 2

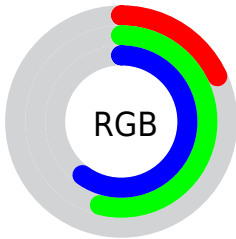
Format	Color
RYB	46, 95, 153
Decimal	3049881
CIELab	52.70, -21.07, -16.32
CIElCh	53, 26.648, 217.762
Yxy	20.7721, 0.2263, 0.2971
Android (android.graphics.Color)	4281239961 (0xFF2E8999)
YUV	111.6150, 20.4028, -57.5444
Hunter-Lab	45.5764, -17.7915, -11.4325

Details

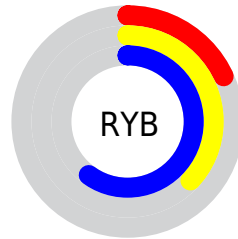
The XYZ color **15.8221, 20.7721, 33.3125** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **15.3531, 10.4153, 3.7864**, and the grayscale version is **15.2438, 16.0377, 17.4651**.

A 20% lighter version of the original color is **35.8371, 44.8308, 65.7959**, and **5.8065, 7.7757, 13.7652** is the 20% darker color. If you saturate the color by 10%, you get **14.9303, 19.8351, 33.1790**, and if you desaturate by 10%, it is **16.9678, 21.8511, 33.4608**.

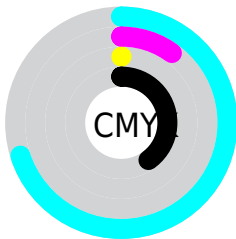
Distribution



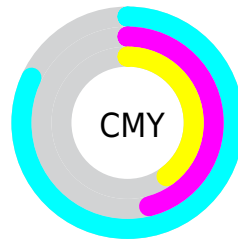
- Red (18%)
- Green (54%)
- Blue (60%)



- Red (18%)
- Yellow (37%)
- Blue (60%)



- Cyan (70%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (82%)
- Magenta (46%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.8221, 20.7721, 33.3125 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 15.8221, 20.7721, 33.3125 by changing the saturation by 10% instead.

■ 15.8221, 20.7721,
33.3125

■ 15.8221, 20.7721,
33.3125

■ 221.5808,
256.0648, 331.7306

■ 9.4884, 12.9575,
22.0929

■ 35.8490, 44.7079,
65.9847

■ 5.1207, 7.3993,
13.7262

■ 50.2730, 61.5980,
88.2744

■ 2.3538, 3.7131,
7.7939

■ 68.1244, 82.2820,
115.0912

■ 0.8220, 1.5144,
3.8775

■ 89.7686, 107.1443,
146.8537

■ 0.0000, 0.2988,
1.5584

■ 115.5710,
136.5693, 183.9803

■ 0.0000, 0.0000,
0.2609

■ 145.8969,

■ 0.0000, 0.0000,

170.9415, 226.8896

0.0000

181.1117,
210.6452, 276.0002

■ 15.8221, 20.7721,
33.3125

■ 15.8221, 20.7721,
33.3125

■ 14.9303, 19.8351,
33.1790

■ 16.9678, 21.8511,
33.4608

■ 14.2628, 19.0235,
33.0576

■ 18.3889, 23.0819,
33.6234

■ 13.7523, 18.3029,
32.9454

■ 20.1069, 24.4762,
33.8020

■ 13.7489, 18.2981,
32.9446

■ 22.1405, 26.0435,
33.9974

■ 24.5068, 27.7929,
34.2103

■ 27.2219, 29.7326,
34.4416

■ 30.3006, 31.8704,
34.6920

■ 33.7568, 34.2135,
34.9621

■ 37.6039, 36.7687,
35.2525

Harmonies

Analogous

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



14.9188, 20.7721, 24.7422



15.8221, 20.7721, 33.3125



17.7939, 20.7721, 39.8938

Triad

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



15.8221, 20.7721, 33.3125



25.0994, 20.7721, 28.9004



19.0321, 20.7721, 10.6131

Complementary

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



15.8221, 20.7721, 33.3125



15.3531, 10.4153, 3.7864

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.



21.8300, 20.7721, 11.2257



15.8221, 20.7721, 33.3125



25.5095, 20.7721, 20.6176

Square

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



15.8221, 20.7721, 33.3125



23.1905, 20.7721, 36.9591



24.2640, 20.7721, 14.4979



16.6557, 20.7721, 12.5683

Rectangle

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



15.8221, 20.7721, 33.3125



19.5358, 20.7721, 41.5569



24.2640, 20.7721, 14.4979



19.9521, 20.7721, 10.5359

Sweetspot

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



15.8228, 20.7729, 33.3130



43.2211, 49.2875, 61.2074



13.3411, 23.6928, 8.1826



9.3017, 10.7058, 13.4937



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.



15.8228, 20.7729, 33.3130



26.0076, 34.6635, 59.2920



10.1439, 9.4152, 31.4201



6.3059, 6.8691, 7.9225



11.3822, 15.1610, 27.2342



0.1889, 0.2642, 0.4134

Inverse Universe

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



18.6297, 10.5330, 24.7189



31.6704, 16.2048, 41.4611



19.6216, 18.9523, 5.2092



6.4215, 6.3078, 7.5998



14.2040, 6.9358, 18.1309



0.2218, 0.1075, 0.3209

Previews

White Background



This preview shows how the XYZ color 15.8221, 20.7721, 33.3125 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 15.8221, 20.7721, 33.3125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

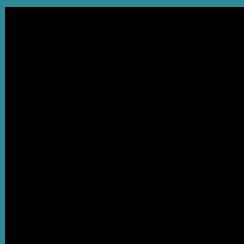
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

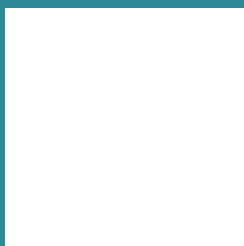
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 15.8221, 20.7721, 33.3125

Background



This preview shows how black text looks on a background with the XYZ color 15.8221, 20.7721, 33.3125.



This preview shows how white text looks on a background with the XYZ color 15.8221, 20.7721,

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

15.8221, 20.7721, 33.3125

Protanopia

20.1269, 20.4939, 29.2805

Deuteranopia

20.9689, 20.6312, 34.3295



Tritanopia

15.5096, 20.8605, 31.6428

Trichromacy



Original Color

15.8221, 20.7721, 33.3125

Protanomaly

17.7328, 20.1868, 30.5656

Deuteranomaly

18.2517, 20.1846, 33.9444

Tritanomaly

15.6322, 20.9144, 32.0671

Monochromacy



Original Color

15.8221, 20.7721, 33.3125

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

14.6926, 17.2818, 22.6400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.8221, 20.7721, 33.3125 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(46, 137, 153)` looks like.

```
.text, #text, p{  
    color:rgb(46, 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(46, 137, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 137, 153) }
```

Border

The CSS property to change the border of an element to XYZ 15.8221, 20.7721, 33.3125 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(46, 137, 153) }
```


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

```
.border{ border-color:rgb(46, 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(46, 137, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 137, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 137, 153);  
box-shadow:4px 4px 4px 4px rgb(46, 137,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 15.8221, 20.7721, 33.3125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 137, 153) }
```

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

```
.background{ background-color: rgb(46, 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](#).

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