

Converting Colors

XYZ(20.8337, 15.2687, 16.7233)

Have a look what the booklet for
XYZ(20.8337, 15.2687, 16.7233)
contains.

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Color

**XYZ(20.7609, 15.1999,
16.5915)**

Conversions

Conversions Part 1

Format	Color
Hex	A1556E
RGB	161, 85, 110
RGB Percent	63%, 33%, 43%
CMY	0.3686, 0.6666, 0.5686
CMYK	0.00, 0.47, 0.32, 0.37
HSL	340°, 31%, 48%
HSV	340°, 47%, 63%
XYZ	20.7609, 15.1999, 16.5915
YIQ	110.5740, 37.2710, 23.8870

Conversions

Conversions Part 2

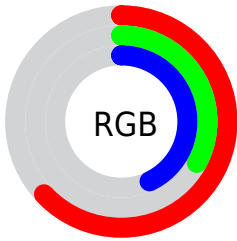
Format	Color
R_{YB}	161, 85, 110
Decimal	10573166
CIE _{Lab}	45.91, 34.28, -0.09
CIE _{LCh}	46, 34.280, 359.851
Yxy	15.1999, 0.3951, 0.2892
Android (android.graphics.Color)	4288763246 (0xFFA1556E)
YUV	110.5740, -0.2830, 44.2236
Hunter-Lab	38.9870, 26.8253, 2.0592

Details

The XYZ color **20.7609, 15.1999, 16.5915** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **20.9359, 29.1989, 27.8267**, and the grayscale version is **14.9799, 15.7600, 17.1627**.

A 20% lighter version of the original color is **44.2921, 35.3700, 38.2108**, and **7.5915, 4.7464, 5.2187** is the 20% darker color. If you saturate the color by 10%, you get **19.0817, 12.7262, 13.3043**, and if you desaturate by 10%, it is **22.8011, 18.2805, 20.3533**.

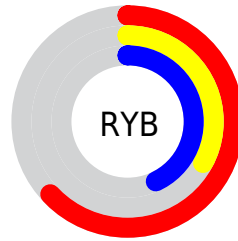
Distribution



Red (63%)

Green (33%)

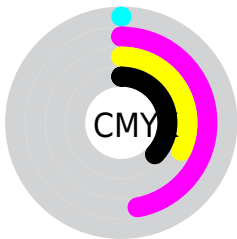
Blue (43%)



Red (63%)

Yellow (33%)

Blue (43%)

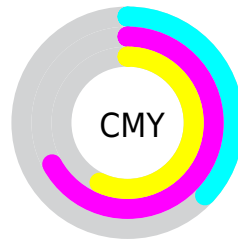


Cyan (0%)

Magenta (47%)

Yellow (32%)

Black (37%)



Cyan (37%)

Magenta (67%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7609, 15.1999, 16.5915 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 20.7609, 15.1999, 16.5915 by changing the saturation by 10% instead.

■ 20.7609, 15.1999,
16.5915

■ 20.7609, 15.1999,
16.5915

248.7609,
224.5730, 244.7709

■ 13.0608, 8.9598,
9.7848

■ 44.1835, 35.2035,
38.4031

■ 7.5477, 4.7150,
5.1528

■ 60.6368, 49.7358,
54.2450

■ 3.8563, 2.0810,
2.2769

■ 80.7385, 67.8009,
73.9358

■ 1.6212, 0.6539,
0.7182

■ 104.8540, 89.7832,
97.8939

■ 0.4061, 0.0000,
0.0000

■ 133.3486,
116.0672, 126.5379

■ 0.0000, 0.0000,
0.0000

166.5877,

147.0373, 160.2864

204.9367,
183.0777, 199.5579

■ 20.7609, 15.1999,
16.5915

■ 20.7609, 15.1999,
16.5915

■ 19.0817, 12.7262,
13.3043

■ 22.8011, 18.2805,
20.3533

■ 17.7399, 10.8166,
10.4706

■ 25.2213, 22.0027,
24.6076

■ 16.7107, 9.4261,
8.0690


■ 28.0409, 26.4012,
29.3726


■ 15.9655, 8.5016,
6.0755

■ 31.2774, 31.5075,
34.6648


■ 15.4601, 7.9602,
4.4602


■ 34.9473, 37.3510,
40.5005

 15.3395, 7.8337,
4.0663

 39.0660, 43.9598,
46.8949

 43.6485, 51.3600,
53.8626

 48.7088, 59.5770,
61.4179

 54.2603, 68.6346,
69.5743

Harmonies

Analogous

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



19.8165, 15.1999, 25.9203



20.7609, 15.1999, 16.5915



19.8343, 15.1999, 9.8141

Triad

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



20.7609, 15.1999, 16.5915



11.8490, 15.1999, 6.2145



11.8271, 15.1999, 34.5232

Complementary

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



20.7609, 15.1999, 16.5915



20.9359, 29.1989, 27.8267

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.



10.1360, 15.1999, 25.8238



20.7609, 15.1999, 16.5915



10.1474, 15.1999, 9.7636

Square

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



20.7609, 15.1999, 16.5915



14.4615, 15.1999, 5.1771



9.5638, 15.1999, 16.5088



14.4326, 15.1999, 38.1659

Rectangle

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



20.7609, 15.1999, 16.5915



18.3427, 15.1999, 7.1087



9.5638, 15.1999, 16.5088



11.1462, 15.1999, 31.9761

Sweetspot

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



20.7613, 15.2007, 16.5918



51.8437, 49.8361, 55.2901



19.7815, 14.2775, 35.4314



11.1222, 10.5400, 11.7167



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.7613, 15.2007, 16.5918



33.9417, 22.4556, 23.3544



20.6748, 16.9069, 10.7691



7.1654, 7.1226, 7.8572



12.2684, 6.2634, 3.3378



0.2788, 0.1400, 0.1809

Inverse Universe

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



20.7613, 15.2007, 16.5918



33.9417, 22.4556, 23.3544



20.8222, 25.7895, 37.5986



7.1654, 7.1226, 7.8572



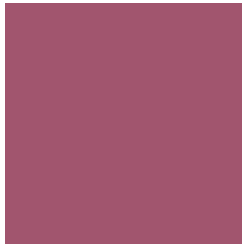
12.2684, 6.2634, 3.3378



0.2788, 0.1400, 0.1809

Previews

White Background



This preview shows how the XYZ color 20.7609, 15.1999, 16.5915 looks on a white 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

Black Background



This preview shows how the XYZ color 20.7609, 15.1999, 16.5915 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

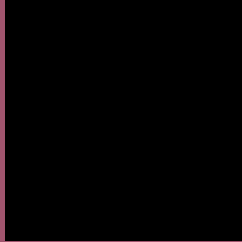
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.7609, 15.1999, 16.5915

Background



This preview shows how black text looks on a background with the XYZ color 20.7609, 15.1999, 16.5915.



This preview shows how white text looks on a background with the XYZ color 20.7609, 15.1999,

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

20.7609, 15.1999, 16.5915

Protanopia

15.0641, 15.3062, 21.2292

Deuteranopia

15.6930, 15.4346, 16.0620



Tritanopia

20.0073, 15.2612, 12.4809

Trichromacy



Original Color

20.7609, 15.1999, 16.5915

Protanomaly

16.6393, 14.9583, 19.4630

Deuteranomaly

17.2278, 15.0523, 16.1847

Tritanomaly

20.2056, 15.2101, 13.9275

Monochromacy



Original Color

20.7609, 15.1999, 16.5915

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.6739, 15.3176, 17.1167

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7609, 15.1999, 16.5915 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(161, 85, 110)` looks like.

```
.text, #text, p{  
    color:rgb(161, 85, 110)  
}
```

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(161, 85, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 85, 110) }
```

Border

The CSS property to change the border of an element to XYZ 20.7609, 15.1999, 16.5915 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(161, 85, 110) }
```


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

```
.border{ border-color:rgb(161, 85, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 85, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 85, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 85, 110);  
box-shadow:4px 4px 4px 4px rgb(161, 85,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7609, 15.1999, 16.5915 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 85, 110) }
```

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

```
.background{ background-color: rgb(161, 85,  
110) }
```

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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