

Converting Colors

XYZ(20.6024, 12.8288, 9.7860)

Have a look what the booklet for
XYZ(20.6024, 12.8288, 9.7860)
contains.

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Color

**XYZ(20.6717, 12.8705,
9.7822)**

Conversions

Conversions Part 1

Format	Color
Hex	AE3C54
RGB	174, 60, 84
RGB Percent	68%, 24%, 33%
CMY	0.3176, 0.7647, 0.6706
CMYK	0.00, 0.66, 0.52, 0.32
HSL	347°, 49%, 46%
HSV	347°, 66%, 68%
XYZ	20.6717, 12.8705, 9.7822
YIQ	96.8220, 60.2400, 31.6320

Conversions

Conversions Part 2

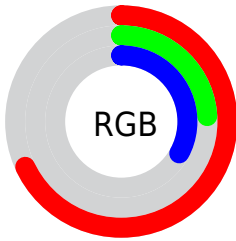
Format	Color
RYB	174, 60, 84
Decimal	11418708
CIELab	42.57, 48.24, 11.40
CIElCh	43, 49.571, 13.299
Yxy	12.8705, 0.4771, 0.2971
Android (android.graphics.Color)	4289608788 (0xFFAE3C54)
YUV	96.8220, -6.3212, 67.6851
Hunter-Lab	35.8755, 40.0709, 8.9462

Details

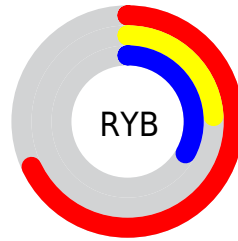
The XYZ color **20.6717, 12.8705, 9.7822** is a dark color, and the websafe version is hex **990033**. A complement of this color would be **22.5055, 33.4352, 34.1245**, and the grayscale version is **11.3239, 11.9136, 12.9739**.

A 20% lighter version of the original color is **44.1826, 31.2205, 25.8878**, and **7.5687, 3.8595, 2.2655** is the 20% darker color. If you saturate the color by 10%, you get **19.4190, 11.1435, 6.9653**, and if you desaturate by 10%, it is **22.3302, 15.2405, 13.2553**.

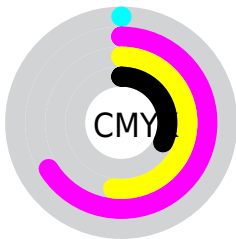
Distribution



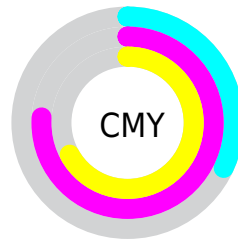
- Red (68%)
- Green (24%)
- Blue (33%)



- Red (68%)
- Yellow (24%)
- Blue (33%)



- Cyan (0%)
- Magenta (66%)
- Yellow (52%)
- Black (32%)





- Cyan (32%)
- Magenta (76%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.6717, 12.8705, 9.7822 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 20.6717, 12.8705, 9.7822 by changing the saturation by 10% instead.


 20.6717, 12.8705,
9.7822


 20.6717, 12.8705,
9.7822


248.2934,
210.0860, 199.5385


 12.9953, 7.3394,
5.1511


 44.0359, 31.0709,
25.9864


 7.5023, 3.6753,
2.2759


 60.4545, 44.5091,
38.3966


 3.8273, 1.4936,
0.7177

 80.5178, 61.3517,
54.2368

 1.6049, 0.2842,
0.0000

 104.5912, 81.9833,
73.9257

 0.3956, 0.0000,
0.0000

 133.0402,
106.7881, 97.8818

 0.0000, 0.0000,
0.0000

166.2300,

136.1505, 126.5236

204.5259,
170.4551, 160.2696

■ 20.6717, 12.8705,
9.7822

■ 20.6717, 12.8705,
9.7822

■ 19.4190, 11.1435,
6.9653

■ 22.3302, 15.2405,
13.2553

■ 18.5344, 9.9935,
4.7611

■ 24.4259, 18.3066,
17.4227

■ 17.9725, 9.3410,
3.1208

■ 26.9879, 22.1189,
22.3205

■ 17.7836, 9.1299,
2.5444

■ 30.0426, 26.7222,
27.9817

■ 33.6144, 32.1579,
34.4377

■ 37.7261, 38.4643,
41.7176

■ 42.3989, 45.6775,
49.8495

■ 47.6532, 53.8314,
58.8598

■ 53.5080, 62.9583,
68.7739

Harmonies

Analogous

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



20.5150, 12.8705, 20.8209



20.6717, 12.8705, 9.7822



18.2629, 12.8705, 4.0902

Triad

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



20.6717, 12.8705, 9.7822



7.9265, 12.8705, 3.7207



10.2767, 12.8705, 44.5334

Complementary

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



20.6717, 12.8705, 9.7822



22.5055, 33.4352, 34.1245

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.



7.7022, 12.8705, 33.4677



20.6717, 12.8705, 9.7822



6.5475, 12.8705, 8.8801

Square

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



20.6717, 12.8705, 9.7822



10.6491, 12.8705, 1.9962



6.4747, 12.8705, 19.3176



13.9667, 12.8705, 45.2224

Rectangle

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



20.6717, 12.8705, 9.7822



15.7652, 12.8705, 2.4801



6.4747, 12.8705, 19.3176



9.2723, 12.8705, 41.7196

Sweetspot

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



20.6720, 12.8712, 9.7824



57.7173, 53.3653, 56.6144



21.7057, 12.7064, 41.3530



12.4387, 11.2688, 11.8770



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.6720, 12.8712, 9.7824



34.3614, 19.0711, 10.5472



22.1250, 17.0322, 6.3974



8.0717, 8.0419, 8.6882



12.9169, 6.6293, 1.9417



0.3787, 0.1922, 0.1558

Inverse Universe

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



20.6720, 12.8712, 9.7824



34.3614, 19.0711, 10.5472



19.1326, 23.2743, 43.5284



8.0717, 8.0419, 8.6882



12.9169, 6.6293, 1.9417



0.3787, 0.1922, 0.1558

Previews

White Background



This preview shows how the XYZ color 20.6717, 12.8705, 9.7822 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 20.6717, 12.8705, 9.7822 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

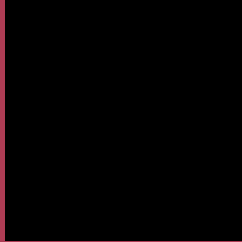
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6717, 12.8705, 9.7822

Background



This preview shows how black text looks on a background with the XYZ color 20.6717, 12.8705, 9.7822.



This preview shows how white text looks on a background with the XYZ color 20.6717, 12.8705,

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

20.6717, 12.8705, 9.7822

Protanopia

12.6830, 13.1521, 15.2347

Deuteranopia

13.2937, 13.0358, 9.2126



Tritanopia

20.0242, 12.8445, 6.7340

Trichromacy



Original Color

20.6717, 12.8705, 9.7822

Protanomaly

14.3875, 12.1078, 12.8880

Deuteranomaly

15.3030, 12.4237, 9.3760

Tritanomaly

20.1588, 12.8105, 7.7135

Monochromacy



Original Color

20.6717, 12.8705, 9.7822

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

13.5595, 11.4733, 11.6251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6717, 12.8705, 9.7822 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(174, 60, 84)` looks like.

```
.text, #text, p{  
    color:rgb(174, 60, 84)  
}
```

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(174, 60, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 60, 84) }
```

Border

The CSS property to change the border of an element to XYZ 20.6717, 12.8705, 9.7822 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(174, 60, 84) }
```


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

```
.border{ border-color:rgb(174, 60, 84) }
```

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

Here you see how a box with a 4 pixel rgb(174, 60, 84) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 60, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 60, 84);  
box-shadow:4px 4px 4px 4px rgb(174, 60,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6717, 12.8705, 9.7822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 60, 84) }
```

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

```
.background{ background-color: rgb(174, 60,  
84) }
```

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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