

Converting Colors

XYZ(20.3829, 14.7975, 10.3762)

Have a look what the booklet for
XYZ(20.3829, 14.7975, 10.3762)
contains.

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Color

**XYZ(20.3829, 14.7975,
10.3762)**

Conversions

Conversions Part 1

Format	Color
Hex	A65255
RGB	166, 82, 85
RGB Percent	65%, 32%, 33%
CMY	0.3490, 0.6784, 0.6667
CMYK	0.00, 0.51, 0.49, 0.35
HSL	358°, 34%, 49%
HSV	358°, 51%, 65%
XYZ	20.3829, 14.7975, 10.3762
YIQ	107.4580, 49.1010, 18.7410

Conversions

Conversions Part 2

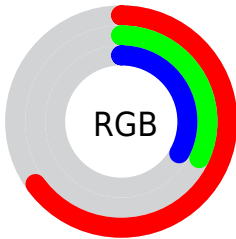
Format	Color
R_{YB}	166, 82, 85
Decimal	10900053
CIE _{Lab}	45.36, 34.82, 14.43
CIE _{LCh}	45, 37.690, 22.515
Yxy	14.7975, 0.4474, 0.3248
Android (android.graphics.Color)	4289090133 (0xFFA65255)
YUV	107.4580, -11.0718, 51.3413
Hunter-Lab	38.4675, 27.2642, 10.9344

Details

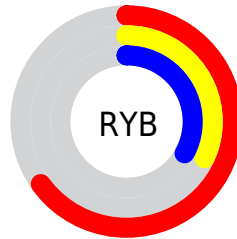
The XYZ color **20.3829, 14.7975, 10.3762** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.7276, 31.7110, 39.5229**, and the grayscale version is **14.1232, 14.8587, 16.1811**.

A 20% lighter version of the original color is **43.5012, 34.3716, 27.2633**, and **7.3299, 4.5012, 2.4900** is the 20% darker color. If you saturate the color by 10%, you get **18.7135, 12.3639, 7.0291**, and if you desaturate by 10%, it is **22.4998, 17.8958, 14.5825**.

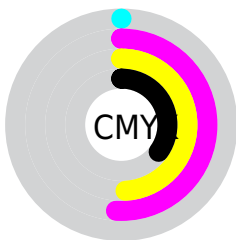
Distribution



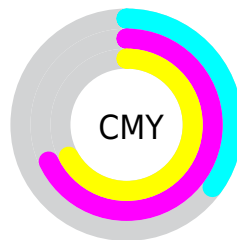
- Red (65%)
- Green (32%)
- Blue (33%)



- Red (65%)
- Yellow (32%)
- Blue (33%)



- Cyan (0%)
- Magenta (51%)
- Yellow (49%)
- Black (35%)



- Cyan (35%)
- Magenta (68%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3829, 14.7975, 10.3762 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 20.3829, 14.7975, 10.3762 by changing the saturation by 10% instead.

■ 20.3829, 14.7975,
10.3762

■ 20.3829, 14.7975,
10.3762

246.7748,
222.1372, 203.9178

■ 12.7836, 8.6774,
5.5402

■ 43.5573, 34.4975,
27.1195

■ 7.3556, 4.5314,
2.5034

■ 59.8630, 48.8463,
39.8640

■ 3.7338, 1.9750,
0.8419

■ 79.8016, 66.7066,
56.0817

■ 1.5527, 0.5929,
0.0000

■ 103.7384, 88.4631,
76.1912

■ 0.3613, 0.0000,
0.0000

■ 132.0388,
114.5000, 100.6110

■ 0.0000, 0.0000,
0.0000

165.0681,

145.2017, 129.7597

203.1916,
180.9527, 164.0558

■ 20.3829, 14.7975,
10.3762

■ 20.3829, 14.7975,
10.3762

■ 18.7135, 12.3639,
7.0291

■ 22.4998, 17.8958,
14.5825

■ 17.4583, 10.5443,
4.4814

■ 25.0919, 21.7001,
19.7008

■ 16.5815, 9.2845,
2.6665

■ 28.1861, 26.2509,
25.7806

■ 16.0404, 8.5200,
1.5070

■ 31.8069, 31.5852,
32.8676

■ 15.7583, 8.1199,
0.9067

■ 35.9772, 37.7373,
41.0046

■ 40.7186, 44.7397,
50.2319

■ 46.0515, 52.6229,
60.5876

■ 51.9953, 61.4162,
72.1082

■ 58.5684, 71.1472,
84.8282

Harmonies

Analogous

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



20.9087, 14.7975, 18.4611



20.3829, 14.7975, 10.3762



18.0505, 14.7975, 5.9459

Triad

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



20.3829, 14.7975, 10.3762



9.8123, 14.7975, 7.7399



13.2957, 14.7975, 39.9286

Complementary

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



20.3829, 14.7975, 10.3762



23.7276, 31.7110, 39.5229

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.



10.7134, 14.7975, 34.0050



20.3829, 14.7975, 10.3762



8.9053, 14.7975, 13.9711

Square

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



20.3829, 14.7975, 10.3762



11.8853, 14.7975, 4.8648



9.2089, 14.7975, 23.6471



16.4952, 14.7975, 37.8314

Rectangle

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



20.3829, 14.7975, 10.3762



15.9498, 14.7975, 4.6358



9.2089, 14.7975, 23.6471



12.3341, 14.7975, 38.7519

Sweetspot

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



20.3833, 14.7983, 10.3765



54.5298, 52.6127, 53.4001



24.7604, 16.4490, 37.9463



11.9076, 11.3390, 11.3721



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.3833, 14.7983, 10.3765



33.5664, 21.8625, 11.9564



23.9419, 22.1018, 10.9879



7.5415, 7.5465, 7.9030



12.2236, 6.2981, 0.7229



0.3007, 0.1545, 0.0349

Inverse Universe

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



20.3833, 14.7983, 10.3765



33.5664, 21.8625, 11.9564



18.1087, 20.0384, 38.9897



7.5415, 7.5465, 7.9030



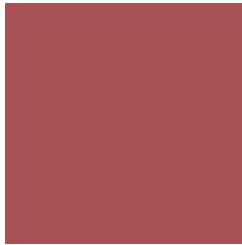
12.2236, 6.2981, 0.7229



0.3007, 0.1545, 0.0349

Previews

White Background



This preview shows how the XYZ color 20.3829, 14.7975, 10.3762 looks on a white background.

Color Contrast Check

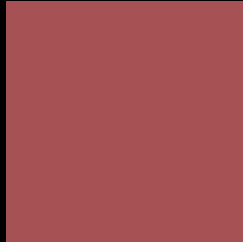
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3829, 14.7975, 10.3762 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 20.3829, 14.7975, 10.3762

Background



This preview shows how black text looks on a background with the XYZ color 20.3829, 14.7975, 10.3762.



This preview shows how white text looks on a background with the XYZ color 20.3829, 14.7975,

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

20.3829, 14.7975, 10.3762

Protanopia

14.2023, 15.0329, 13.4624

Deuteranopia

15.0878, 14.8066, 9.8473



Tritanopia

20.4635, 14.8297, 10.8007

Trichromacy



Original Color

20.3829, 14.7975, 10.3762

Protanomaly

15.9533, 14.6195, 12.3369

Deuteranomaly

16.5997, 14.4563, 9.8981

Tritanomaly

20.4229, 14.8135, 10.5870

Monochromacy



Original Color

20.3829, 14.7975, 10.3762

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

15.5219, 14.2254, 13.7321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3829, 14.7975, 10.3762 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(166, 82, 85)` looks like.

```
.text, #text, p{  
    color:rgb(166, 82, 85)  
}
```

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(166, 82, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 82, 85) }
```

Border

The CSS property to change the border of an element to XYZ 20.3829, 14.7975, 10.3762 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(166, 82, 85) }
```


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

```
.border{ border-color:rgb(166, 82, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 82, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 82, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 82, 85);  
box-shadow:4px 4px 4px 4px rgb(166, 82,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3829, 14.7975, 10.3762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 82, 85) }
```

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

```
.background{ background-color: rgb(166, 82,  
85) }
```

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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