

Converting Colors

XYZ(20.7799, 16.4091, 13.1971)

Have a look what the booklet for
XYZ(20.7799, 16.4091, 13.1971)
contains.

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Color

**XYZ(20.8120, 16.4270,
13.1401)**

Conversions

Conversions Part 1

Format	Color
Hex	A15E60
RGB	161, 94, 96
RGB Percent	63%, 37%, 38%
CMY	0.3686, 0.6314, 0.6235
CMYK	0.00, 0.42, 0.40, 0.37
HSL	358°, 26%, 50%
HSV	358°, 42%, 63%
XYZ	20.8120, 16.4270, 13.1401
YIQ	114.2610, 39.2900, 14.8260

Conversions

Conversions Part 2

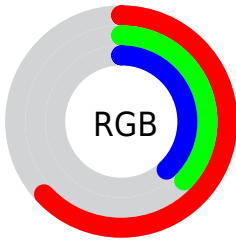
Format	Color
R_{YB}	161, 94, 96
Decimal	10575456
CIE Lab	47.53, 27.53, 10.70
CIE LCh	48, 29.537, 21.237
Yxy	16.4270, 0.4131, 0.3261
Android (android.graphics.Color)	4288765536 (0xFFA15E60)
YUV	114.2610, -9.0027, 40.9901
Hunter-Lab	40.5302, 20.7306, 9.1491

Details

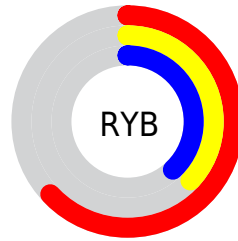
The XYZ color **20.8120, 16.4270, 13.1401** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.6198, 30.3731, 37.4204**, and the grayscale version is **16.0909, 16.9289, 18.4356**.

A 20% lighter version of the original color is **44.2271, 37.2315, 32.0495**, and **7.6161, 5.3101, 3.6411** is the 20% darker color. If you saturate the color by 10%, you get **18.8776, 13.5971, 9.2928**, and if you desaturate by 10%, it is **23.1888, 19.9129, 17.8402**.

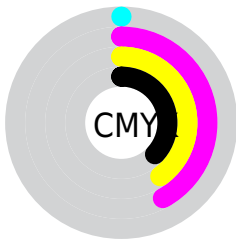
Distribution



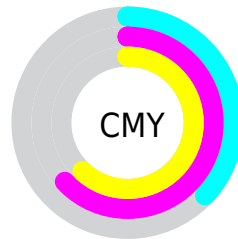
- Red (63%)
- Green (37%)
- Blue (38%)



- Red (63%)
- Yellow (37%)
- Blue (38%)



- Cyan (0%)
- Magenta (42%)
- Yellow (40%)
- Black (37%)



- Cyan (37%)
- Magenta (63%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.8120, 16.4270, 13.1401 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 20.8120, 16.4270, 13.1401 by changing the saturation by 10% instead.

20.8120, 16.4270,
13.1401

20.8120, 16.4270,
13.1401

249.0284,
231.8483, 223.0529

13.0983, 9.8268,
7.3932

44.2681, 37.3379,
32.2501

7.5738, 5.2843,
3.6271

60.7412, 52.4174,
46.4504

3.8729, 2.4150,
1.4231

80.8648, 71.0922,
64.3055

1.6305, 0.8336,
0.1596

105.0044, 93.7466,
86.2340

0.4122, 0.0000,
0.0000

133.5251,
120.7650, 112.6544

0.0000, 0.0000,
0.0000

166.7925,

152.5318, 143.9854

205.1718,
189.4315, 180.6453

■ 20.8120, 16.4270,
13.1401

■ 20.8120, 16.4270,
13.1401

■ 18.8776, 13.5971,
9.2928

■ 23.1888, 19.9129,
17.8402

■ 17.3572, 11.3800,
6.2464

■ 26.0315, 24.0897,
23.4390

■ 16.2208, 9.7310,
3.9445

■ 29.3638, 28.9928,
29.9802


■ 15.4342, 8.5985,
2.3235


■ 33.2071, 34.6543,
37.5044


■ 14.9568, 7.9213,
1.3086


■ 37.5816, 41.1045,
46.0498

 14.7243, 7.5876,
0.8263

 42.5066, 48.3720,
55.6527

 48.0002, 56.4841,
66.3474

 54.0797, 65.4666,
78.1668

 60.7618, 75.3443,
91.1425

Harmonies

Analogous

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



21.1581, 16.4270, 20.1823



20.8120, 16.4270, 13.1401



18.9951, 16.4270, 8.8096

Triad

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



20.8120, 16.4270, 13.1401



11.9958, 16.4270, 10.2703



14.8563, 16.4270, 36.3371

Complementary

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



20.8120, 16.4270, 13.1401



23.6198, 30.3731, 37.4204

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.



12.6589, 16.4270, 31.7076



20.8120, 16.4270, 13.1401



11.1333, 16.4270, 15.7712

Square

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



20.8120, 16.4270, 13.1401



13.8538, 16.4270, 7.5051



11.3617, 16.4270, 23.6563



17.5160, 16.4270, 35.0473

Rectangle

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



20.8120, 16.4270, 13.1401



17.2955, 16.4270, 7.3859



11.3617, 16.4270, 23.6563



14.0440, 16.4270, 35.3830

Sweetspot

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



20.8124, 16.4278, 13.1404



52.1961, 51.3467, 52.9237



24.6881, 17.9265, 35.8773



11.2822, 11.0179, 11.2830



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.



20.8124, 16.4278, 13.1404



34.0176, 24.6572, 17.0605



24.0863, 23.1208, 13.7840



7.0819, 7.0892, 7.4178



11.7626, 6.0611, 0.6743



0.2496, 0.1283, 0.0269

Inverse Universe

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



20.8124, 16.4278, 13.1404



34.0176, 24.6572, 17.0605



18.9971, 20.8481, 36.7412



7.0819, 7.0892, 7.4178



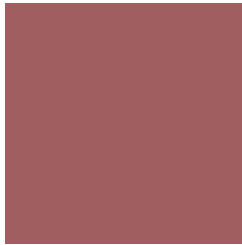
11.7626, 6.0611, 0.6743



0.2496, 0.1283, 0.0269

Previews

White Background



This preview shows how the XYZ color 20.8120, 16.4270, 13.1401 looks on a white background.

Color Contrast Check

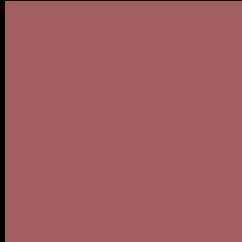
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.8120, 16.4270, 13.1401 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

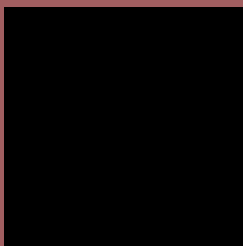
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.8120, 16.4270, 13.1401

Background



This preview shows how black text looks on a background with the XYZ color 20.8120, 16.4270, 13.1401.



This preview shows how white text looks on a background with the XYZ color 20.8120, 16.4270,

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

20.8120, 16.4270, 13.1401

Protanopia

15.8428, 16.6328, 16.0111

Deuteranopia

16.8045, 16.5529, 12.6653



Tritanopia

20.9125, 16.3259, 14.1056

Trichromacy



Original Color

20.8120, 16.4270, 13.1401

Protanomaly

17.2252, 16.2539, 14.7998

Deuteranomaly

18.1260, 16.4596, 12.8113

Tritanomaly

20.8644, 16.3066, 13.8522

Monochromacy



Original Color

20.8120, 16.4270, 13.1401

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.2716, 16.4022, 16.1656

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8120, 16.4270, 13.1401 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, 94, 96)` looks like.

```
.text, #text, p{  
    color:rgb(161, 94, 96)  
}
```

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, 94, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 94, 96) }
```

Border

The CSS property to change the border of an element to XYZ 20.8120, 16.4270, 13.1401 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, 94, 96) }
```


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

```
.border{ border-color:rgb(161, 94, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 94, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 94, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 94, 96);  
box-shadow:4px 4px 4px 4px rgb(161, 94,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8120, 16.4270, 13.1401 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 94, 96) }
```

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

```
.background{ background-color: rgb(161, 94,  
96) }
```

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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