

Converting Colors

XYZ(20.5722, 13.4212, 12.2046)

Have a look what the booklet for
XYZ(20.5722, 13.4212, 12.2046)
contains.

XYZ(20.6651, 13.4884, 12.1040)	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(20.6651, 13.4884,
12.1040)**

Conversions

Conversions Part 1

Format	Color
Hex	AA445E
RGB	170, 68, 94
RGB Percent	67%, 27%, 37%
CMY	0.3333, 0.7333, 0.6314
CMYK	0.00, 0.60, 0.45, 0.33
HSL	345°, 43%, 47%
HSV	345°, 60%, 67%
XYZ	20.6651, 13.4884, 12.1040
YIQ	101.4620, 52.4460, 29.7100

Conversions

Conversions Part 2

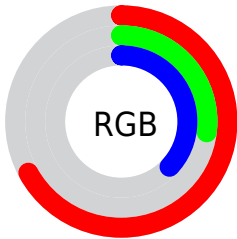
Format	Color
R_{YB}	170, 68, 94
Decimal	11158622
CIE _{Lab}	43.49, 44.23, 6.40
CIE _{LCh}	43, 44.694, 8.237
Yxy	13.4884, 0.4467, 0.2916
Android (android.graphics.Color)	4289348702 (0xFFAA445E)
YUV	101.4620, -3.6788, 60.1078
Hunter-Lab	36.7266, 36.1659, 6.1683

Details

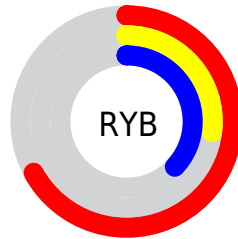
The XYZ color **20.6651, 13.4884, 12.1040** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **21.7935, 31.9924, 31.4141**, and the grayscale version is **12.4894, 13.1398, 14.3092**.

A 20% lighter version of the original color is **44.1845, 32.3464, 30.3003**, and **7.4412, 3.9195, 3.1606** is the 20% darker color. If you saturate the color by 10%, you get **19.2594, 11.5133, 9.0574**, and if you desaturate by 10%, it is **22.4629, 16.0985, 15.7418**.

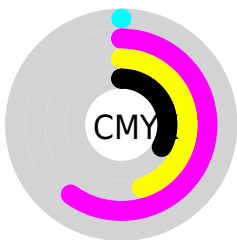
Distribution



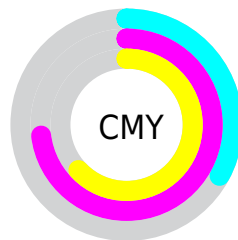
- Red (67%)
- Green (27%)
- Blue (37%)



- Red (67%)
- Yellow (27%)
- Blue (37%)



- Cyan (0%)
- Magenta (60%)
- Yellow (45%)
- Black (33%)



- Cyan (33%)
- Magenta (73%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6651, 13.4884, 12.1040 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 20.6651, 13.4884, 12.1040 by changing the saturation by 10% instead.

■ 20.6651, 13.4884,
12.1040

■ 20.6651, 13.4884,
12.1040

248.2588,
214.0245, 216.0949

■ 12.9905, 7.7657,
6.6911

■ 44.0250, 32.1785,
30.3516

■ 7.4989, 3.9454,
3.1942

■ 60.4410, 45.9146,
44.0234

■ 3.8251, 1.6431,
1.1946

■ 80.5015, 63.0908,
61.2853

■ 1.6037, 0.3864,
0.0000

■ 104.5718, 84.0912,
82.5559

■ 0.3948, 0.0000,
0.0000

■ 133.0173,
109.3005, 108.2535

■ 0.0000, 0.0000,
0.0000

166.2035,

139.1028, 138.7969

204.4955,
173.8827, 174.6045

■ 20.6651, 13.4884,
12.1040

■ 20.6651, 13.4884,
12.1040

■ 19.2594, 11.5133,
9.0574

■ 22.4629, 16.0985,
15.7418

■ 18.2136, 10.1160,
6.5686

■ 24.6794, 19.3898,
20.0003

■ 17.4919, 9.2326,
4.6013

■ 27.3401, 23.4070,
24.9076

■ 17.0198, 8.7230,
3.1042

■ 30.4679, 28.1901,
30.4901

■ 17.0197, 8.7229,
3.1038

■ 34.0843, 33.7762,
36.7723

■ 38.2095, 40.2000,
43.7778

■ 42.8622, 47.4943,
51.5289

■ 48.0605, 55.6899,
60.0469

■ 53.8214, 64.8163,
69.3525

Harmonies

Analogous

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



20.1084, 13.4884, 23.0167



20.6651, 13.4884, 12.1040



18.8395, 13.4884, 5.7205

Triad

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



20.6651, 13.4884, 12.1040



9.1028, 13.4884, 4.1791



10.4920, 13.4884, 40.7063

Complementary

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



20.6651, 13.4884, 12.1040



21.7935, 31.9924, 31.4141

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.



8.2429, 13.4884, 30.0619



20.6651, 13.4884, 12.1040



7.5479, 13.4884, 8.6565

Square

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



20.6651, 13.4884, 12.1040



11.8836, 13.4884, 2.7020



7.2644, 13.4884, 17.6126



13.8050, 13.4884, 43.0593

Rectangle

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



20.6651, 13.4884, 12.1040



16.6828, 13.4884, 3.6638



7.2644, 13.4884, 17.6126



9.6054, 13.4884, 37.8047

Sweetspot

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



20.6655, 13.4891, 12.1042



56.3141, 52.7378, 57.1355



20.6165, 12.8591, 39.4258



12.1694, 11.1628, 12.0576



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



20.6655, 13.4891, 12.1042



34.2469, 19.9398, 14.8306



21.4314, 16.5839, 7.5411



7.6067, 7.5725, 8.2459



12.5396, 6.4246, 2.3872



0.3252, 0.1643, 0.1639

Inverse Universe

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



20.6655, 13.4891, 12.1042



34.2469, 19.9398, 14.8306



19.9499, 24.7513, 41.7563



7.6067, 7.5725, 8.2459



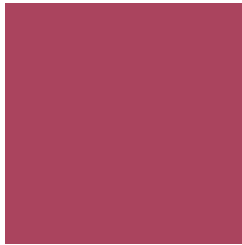
12.5396, 6.4246, 2.3872



0.3252, 0.1643, 0.1639

Previews

White Background



This preview shows how the XYZ color 20.6651, 13.4884, 12.1040 looks on a white background.

Color Contrast Check

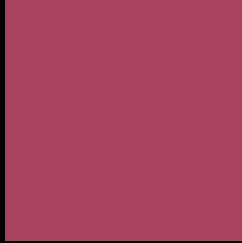
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.6651, 13.4884, 12.1040 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

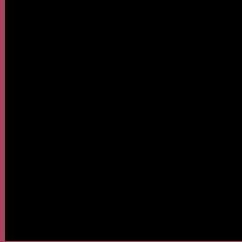
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6651, 13.4884, 12.1040

Background



This preview shows how black text looks on a background with the XYZ color 20.6651, 13.4884, 12.1040.



This preview shows how white text looks on a background with the XYZ color 20.6651, 13.4884,

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

20.6651, 13.4884, 12.1040

Protanopia

13.3104, 13.7175, 17.5690

Deuteranopia

13.9681, 13.7576, 11.3705



Tritanopia

19.9199, 13.4633, 8.3863

Trichromacy



Original Color

20.6651, 13.4884, 12.1040

Protanomaly

15.0101, 12.8650, 15.3277

Deuteranomaly

15.8593, 13.1381, 11.5976

Tritanomaly

20.1137, 13.4399, 9.7177

Monochromacy



Original Color

20.6651, 13.4884, 12.1040

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.3812, 12.4622, 13.2028

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6651, 13.4884, 12.1040 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(170, 68, 94)` looks like.

```
.text, #text, p{  
    color:rgb(170, 68, 94)  
}
```

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(170, 68, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 68, 94) }
```

Border

The CSS property to change the border of an element to XYZ 20.6651, 13.4884, 12.1040 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(170, 68, 94) }
```


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

```
.border{ border-color:rgb(170, 68, 94) }
```

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

Here you see how a box with a 4 pixel rgb(170, 68, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 68, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 68, 94);  
box-shadow:4px 4px 4px 4px rgb(170, 68,  
94) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6651, 13.4884, 12.1040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 68, 94) }
```

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

```
.background{ background-color: rgb(170, 68,  
94) }
```

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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