

Converting Colors

XYZ(20.2521, 14.0254, 12.0410)

Have a look what the booklet for
XYZ(20.2521, 14.0254, 12.0410)
contains.

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Color

**XYZ(20.2861, 14.0662,
12.0018)**

Conversions

Conversions Part 1

Format	Color
Hex	A64C5D
RGB	166, 76, 93
RGB Percent	65%, 30%, 36%
CMY	0.3490, 0.7019, 0.6353
CMYK	0.00, 0.54, 0.44, 0.35
HSL	349°, 37%, 47%
HSV	349°, 54%, 65%
XYZ	20.2861, 14.0662, 12.0018
YIQ	104.8480, 48.1830, 24.3670

Conversions

Conversions Part 2

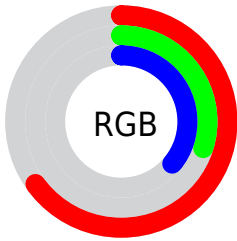
Format	Color
RYB	166, 76, 93
Decimal	10898525
CIELab	44.33, 38.77, 8.12
CIElCh	44, 39.614, 11.827
Yxy	14.0662, 0.4376, 0.3035
Android (android.graphics.Color)	4289088605 (0xFFA64C5D)
YUV	104.8480, -5.8411, 53.6303
Hunter-Lab	37.5049, 30.9155, 7.2803

Details

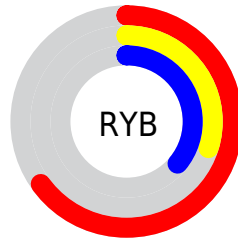
The XYZ color **20.2861, 14.0662, 12.0018** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **22.0423, 30.9791, 33.2535**, and the grayscale version is **13.3928, 14.0903, 15.3443**.

A 20% lighter version of the original color is **43.4176, 33.2688, 30.1198**, and **7.2701, 4.1735, 3.1117** is the 20% darker color. If you saturate the color by 10%, you get **18.7416, 11.8491, 8.7991**, and if you desaturate by 10%, it is **22.2315, 16.9169, 15.8566**.

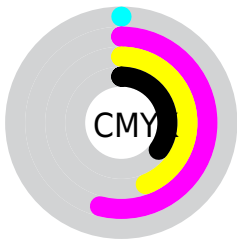
Distribution



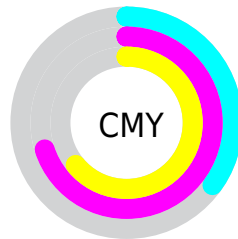
- Red (65%)
- Green (30%)
- Blue (36%)



- Red (65%)
- Yellow (30%)
- Blue (36%)



- Cyan (0%)
- Magenta (54%)
- Yellow (44%)
- Black (35%)



- Cyan (35%)
- Magenta (70%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.2861, 14.0662, 12.0018 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 20.2861, 14.0662, 12.0018 by changing the saturation by 10% instead.

■ 20.2861, 14.0662,
12.0018

■ 20.2861, 14.0662,
12.0018

246.2639,
217.6423, 215.3955

■ 12.7127, 8.1667,
6.6223

■ 43.3966, 33.2064,
30.1628

■ 7.3066, 4.2018,
3.1522

■ 59.6644, 47.2160,
43.7815

■ 3.7026, 1.7871,
1.1729

■ 79.5610, 64.6977,
60.9836

■ 1.5353, 0.4791,
0.0000

■ 103.4518, 86.0360,
82.1878

■ 0.3497, 0.0000,
0.0000

■ 131.7022,
111.6151, 107.8125

■ 0.0000, 0.0000,
0.0000

164.6774,

141.8197, 138.2764

202.7428,
177.0339, 173.9979

■ 20.2861, 14.0662,
12.0018

■ 20.2861, 14.0662,
12.0018

■ 18.7416, 11.8491,
8.7991

■ 22.2315, 16.9169,
15.8566

■ 17.5681, 10.2148,
6.2109

■ 24.6024, 20.4425,
20.3964

■ 16.7334, 9.1083,
4.1969

■ 27.4229, 24.6834,
25.6531

■ 16.1986, 8.4629,
2.7114

■ 30.7148, 29.6761,
31.6559

■ 15.9778, 8.2077,
2.0627

■ 34.4987, 35.4546,
38.4327

■ 38.7936, 42.0510,
46.0099

■ 43.6177, 49.4953,
54.4125

■ 48.9885, 57.8164,
63.6645

■ 54.9222, 67.0414,
73.7890

Harmonies

Analogous

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



20.0558, 14.0662, 21.4475



20.2861, 14.0662, 12.0018



18.4591, 14.0662, 6.3588

Triad

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



20.2861, 14.0662, 12.0018



9.6946, 14.0662, 5.6265



11.5529, 14.0662, 38.6842

Complementary

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



20.2861, 14.0662, 12.0018



22.0423, 30.9791, 33.2535

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.



9.3137, 14.0662, 30.2006



20.2861, 14.0662, 12.0018



8.3638, 14.0662, 10.4805

Square

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



20.2861, 14.0662, 12.0018



12.1559, 14.0662, 3.7793



8.2364, 14.0662, 19.1895



14.6613, 14.0662, 39.6216

Rectangle

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



20.2861, 14.0662, 12.0018



16.4668, 14.0662, 4.4891



8.2364, 14.0662, 19.1895



10.6872, 14.0662, 36.5004

Sweetspot

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



20.2865, 14.0669, 12.0021



54.4273, 51.8556, 55.0682



21.6806, 14.2188, 37.6781



11.9088, 11.1927, 11.8309



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.



20.2865, 14.0669, 12.0021



33.5376, 20.8320, 14.9459



21.8812, 18.3301, 9.2233



7.5869, 7.5646, 8.1416



12.4034, 6.3701, 1.6701



0.3178, 0.1614, 0.1250

Inverse Universe

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



20.2865, 14.0669, 12.0021



33.5376, 20.8320, 14.9459



19.0967, 22.7556, 39.4620



7.5869, 7.5646, 8.1416



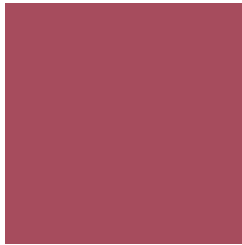
12.4034, 6.3701, 1.6701



0.3178, 0.1614, 0.1250

Previews

White Background



This preview shows how the XYZ color 20.2861, 14.0662, 12.0018 looks on a white background.

Color Contrast Check

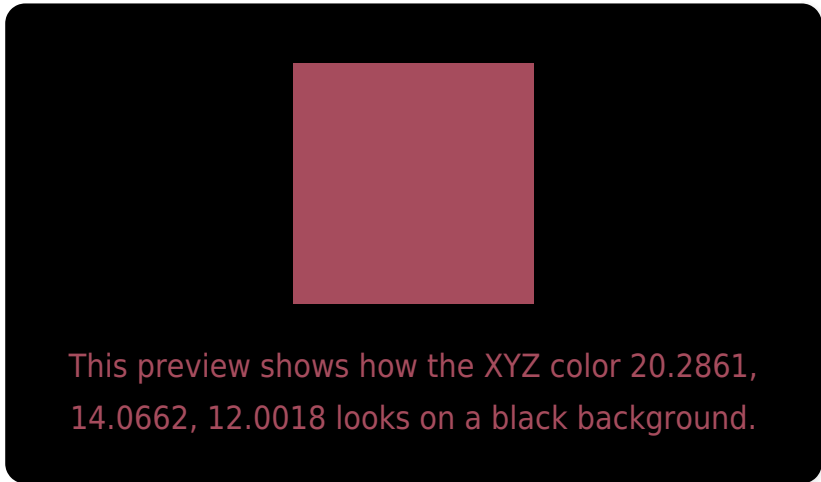
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

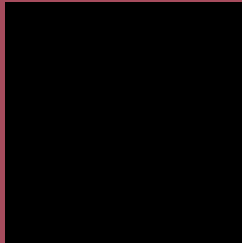
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.2861, 14.0662, 12.0018

Background



This preview shows how black text looks on a background with the XYZ color 20.2861, 14.0662, 12.0018.



This preview shows how white text looks on a background with the XYZ color 20.2861, 14.0662,

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

20.2861, 14.0662, 12.0018

Protanopia

13.7558, 14.2714, 16.4977

Deuteranopia

14.3420, 14.0936, 11.4156



Tritanopia

19.8028, 14.0726, 9.8562

Trichromacy



Original Color

20.2861, 14.0662, 12.0018

Protanomaly

15.3530, 13.5739, 14.6428

Deuteranomaly

15.9891, 13.7108, 11.4766

Tritanomaly

19.8912, 13.9952, 10.6698

Monochromacy



Original Color

20.2861, 14.0662, 12.0018

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

15.1041, 13.4570, 14.1133

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.2861, 14.0662, 12.0018 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, 76, 93)` looks like.

```
.text, #text, p{  
    color:rgb(166, 76, 93)  
}
```

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, 76, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 76, 93) }
```

Border

The CSS property to change the border of an element to XYZ 20.2861, 14.0662, 12.0018 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, 76, 93) }
```


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

```
.border{ border-color:rgb(166, 76, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 76, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 76, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 76, 93);  
box-shadow:4px 4px 4px 4px rgb(166, 76,  
93) }
```

Background

The CSS property to change the background color of an element to XYZ 20.2861, 14.0662, 12.0018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 76, 93) }
```

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

```
.background{ background-color: rgb(166, 76,  
93) }
```

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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