

Converting Colors

XYZ(20.6310, 12.9767, 5.1951)

Have a look what the booklet for
XYZ(20.6310, 12.9767, 5.1951)
contains.

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Color

**XYZ(20.6898, 12.9822,
5.1567)**

Conversions

Conversions Part 1

Format	Color
Hex	B23C38
RGB	178, 60, 56
RGB Percent	70%, 24%, 22%
CMY	0.3020, 0.7647, 0.7804
CMYK	0.00, 0.66, 0.69, 0.30
HSL	2°, 52%, 46%
HSV	2°, 69%, 70%
XYZ	20.6898, 12.9822, 5.1567
YIQ	94.8260, 71.6120, 23.7720

Conversions

Conversions Part 2

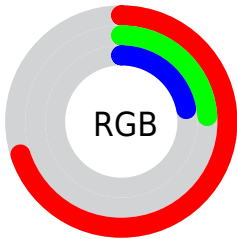
Format	Color
R_{YB}	178, 60, 56
Decimal	11680824
CIE _{Lab}	42.74, 47.60, 28.91
CIE _{LCh}	43, 55.692, 31.271
Yxy	12.9822, 0.5328, 0.3343
Android (android.graphics.Color)	4289870904 (0xFFB23C38)
YUV	94.8260, -19.1412, 72.9436
Hunter-Lab	36.0308, 39.4452, 16.7360

Details

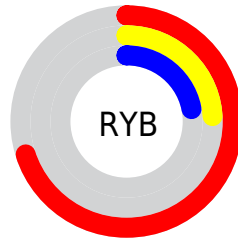
The XYZ color **20.6898, 12.9822, 5.1567** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.8015, 34.3245, 47.4375**, and the grayscale version is **10.8685, 11.4345, 12.4522**.

A 20% lighter version of the original color is **43.9499, 31.1402, 16.5262**, and **7.5439, 3.8806, 0.7322** is the 20% darker color. If you saturate the color by 10%, you get **19.5695, 11.3188, 3.0041**, and if you desaturate by 10%, it is **22.2588, 15.2956, 8.2226**.

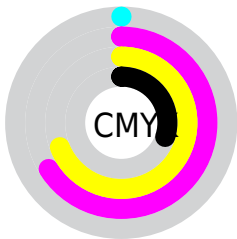
Distribution



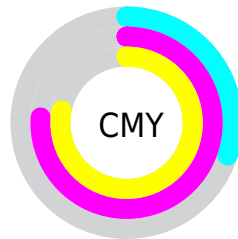
- Red (70%)
- Green (24%)
- Blue (22%)



- Red (70%)
- Yellow (24%)
- Blue (22%)



- Cyan (0%)
- Magenta (66%)
- Yellow (69%)
- Black (30%)





- Cyan (30%)
- Magenta (76%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6898, 12.9822, 5.1567 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 20.6898, 12.9822, 5.1567 by changing the saturation by 10% instead.


 20.6898, 12.9822,
5.1567


 20.6898, 12.9822,
5.1567


248.3884,
210.8036, 160.3252


 13.0086, 7.4163,
2.2792


 44.0659, 31.2718,
16.6001


 7.5115, 3.7238,
0.7195

 60.4915, 44.7643,
26.0029


 3.8332, 1.5203,
0.0000

 80.5626, 61.6677,
38.4180

 1.6082, 0.3029,
0.0000

 104.6446, 82.3666,
54.2638

 0.3977, 0.0000,
0.0000

 133.1028,
107.2452, 73.9589

 0.0000, 0.0000,
0.0000

 166.3026,

136.6880, 97.9218

204.6093,
171.0793, 126.5711

■ 20.6898, 12.9822,
5.1567

■ 20.6898, 12.9822,
5.1567

■ 19.5695, 11.3188,
3.0041

■ 22.2588, 15.2956,
8.2226

■ 18.8500, 10.2371,
1.6631

■ 24.3161, 18.3142,
12.2873

■ 18.4650, 9.6522,
0.9645

■ 26.8980, 22.0897,
17.4273

■ 18.4235, 9.5919,
0.8804

■ 30.0369, 26.6684,
23.7116

■ 33.7628, 32.0930,
31.2033

■ 38.1035, 38.4030,
39.9609

■ 43.0850, 45.6356,
50.0391

■ 48.7318, 53.8256,
61.4894

■ 55.0672, 63.0064,
74.3607

Harmonies

Analogous

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



22.4018, 12.9822, 13.6243



20.6898, 12.9822, 5.1567



16.6817, 12.9822, 1.9619

Triad

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



20.6898, 12.9822, 5.1567



6.4874, 12.9822, 5.6279



12.5207, 12.9822, 52.6188

Complementary

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



20.6898, 12.9822, 5.1567



24.8015, 34.3245, 47.4375

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.



8.8244, 12.9822, 46.0330



20.6898, 12.9822, 5.1567



5.8573, 12.9822, 14.6591

Square

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



20.6898, 12.9822, 5.1567



8.5765, 12.9822, 2.1039



6.6058, 12.9822, 30.0257



17.0672, 12.9822, 44.9057

Rectangle

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



20.6898, 12.9822, 5.1567



13.6167, 12.9822, 1.3441



6.6058, 12.9822, 30.0257



11.1442, 12.9822, 51.9863

Sweetspot

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



20.6901, 12.9829, 5.1569



59.2077, 55.2608, 52.5201



27.6074, 15.4266, 42.5795



12.7041, 11.6413, 10.8045



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



20.6901, 12.9829, 5.1569



34.7664, 19.4451, 4.0898



25.6747, 22.9521, 6.8184



8.5180, 8.5485, 8.8536



13.1914, 6.8814, 0.6330



0.4224, 0.2313, 0.0224

Inverse Universe

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



24.8015, 34.3245, 47.4375



42.6602, 60.6009, 85.8299



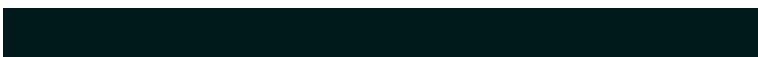
15.7937, 16.3090, 44.4349



8.7183, 9.5827, 10.8965



16.3358, 23.4719, 33.8065



0.5214, 0.7533, 1.0662

Previews

White Background



This preview shows how the XYZ color 20.6898, 12.9822, 5.1567 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 20.6898, 12.9822, 5.1567 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 20.6898, 12.9822, 5.1567

Background



This preview shows how black text looks on a background with the XYZ color 20.6898, 12.9822, 5.1567.



This preview shows how white text looks on a background with the XYZ color 20.6898, 12.9822,

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

20.6898, 12.9822, 5.1567

Protanopia

12.3191, 13.2727, 7.8738

Deuteranopia

13.2865, 13.1311, 4.7400



Tritanopia

20.7936, 12.9407, 5.9593

Trichromacy



Original Color

20.6898, 12.9822, 5.1567

Protanomaly

14.3832, 12.3606, 6.7820

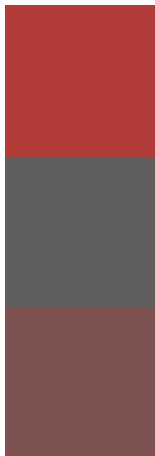
Deuteranomaly

15.2918, 12.5179, 4.8590

Tritanomaly

20.7397, 12.9192, 5.6755

Monochromacy



Original Color

20.6898, 12.9822, 5.1567

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

12.9599, 10.9886, 9.2225

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6898, 12.9822, 5.1567 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(178, 60, 56)` looks like.

```
.text, #text, p{  
    color:rgb(178, 60, 56)  
}
```

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(178, 60, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 60, 56) }
```

Border

The CSS property to change the border of an element to XYZ 20.6898, 12.9822, 5.1567 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(178, 60, 56) }
```


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

```
.border{ border-color:rgb(178, 60, 56) }
```

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

Here you see how a box with a 4 pixel rgb(178, 60, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 60, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 60, 56);  
box-shadow:4px 4px 4px 4px rgb(178, 60,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6898, 12.9822, 5.1567 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 60, 56) }
```

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

```
.background{ background-color: rgb(178, 60,  
56) }
```

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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