

Converting Colors

XYZ(20.5589, 12.6846, 5.2347)

Have a look what the booklet for
XYZ(20.5589, 12.6846, 5.2347)
contains.

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Color

**XYZ(20.5617, 12.6866,
5.2359)**

Conversions

Conversions Part 1

Format	Color
Hex	B23939
RGB	178, 57, 57
RGB Percent	70%, 22%, 22%
CMY	0.3020, 0.7764, 0.7765
CMYK	0.00, 0.68, 0.68, 0.30
HSL	0°, 51%, 46%
HSV	0°, 68%, 70%
XYZ	20.5617, 12.6866, 5.2359
YIQ	93.1790, 72.1160, 25.6520

Conversions

Conversions Part 2

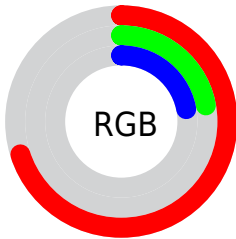
Format	Color
R_{YB}	178, 57, 57
Decimal	11680057
CIE _{Lab}	42.29, 48.92, 27.77
CIE _{LCh}	42, 56.247, 29.581
Yxy	12.6866, 0.5343, 0.3297
Android (android.graphics.Color)	4289870137 (0xFFB23939)
YUV	93.1790, -17.8362, 74.3880
Hunter-Lab	35.6183, 40.7125, 16.2171

Details

The XYZ color **20.5617, 12.6866, 5.2359** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.6420, 35.9218, 47.7013**, and the grayscale version is **10.4755, 11.0210, 12.0019**.

A 20% lighter version of the original color is **43.7797, 30.7191, 16.7186**, and **7.5574, 3.8860, 0.8037** is the 20% darker color. If you saturate the color by 10%, you get **19.4619, 11.0775, 3.0493**, and if you desaturate by 10%, it is **22.1261, 14.9761, 8.3453**.

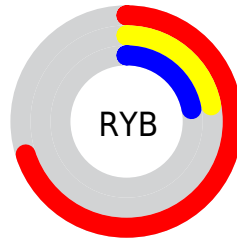
Distribution



Red (70%)

Green (22%)

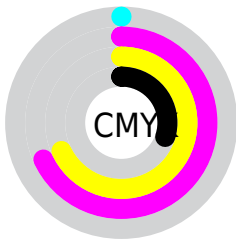
Blue (22%)



Red (70%)

Yellow (22%)

Blue (22%)

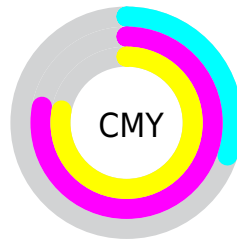


Cyan (0%)

Magenta (68%)

Yellow (68%)

Black (30%)



Cyan (30%)


Magenta (78%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.5617, 12.6866, 5.2359 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 20.5617, 12.6866, 5.2359 by changing the saturation by 10% instead.


 20.5617, 12.6866,
5.2359


 20.5617, 12.6866,
5.2359


247.7159,
208.8993, 161.1056


 12.9146, 7.2131,
2.3252


 43.8537, 30.7396,
16.7724


 7.4464, 3.5957,
0.7453


 60.2294, 44.0879,
26.2353


 3.7916, 1.4501,
0.0000

 80.2453, 60.8298,
38.7194

 1.5849, 0.2532,
0.0000

 104.2668, 81.3499,
54.6431

 0.3826, 0.0000,
0.0000

 132.6593,
106.0325, 74.4250

 0.0000, 0.0000,
0.0000

 165.7880,

135.2620, 98.4837

204.0185,
169.4228, 127.2378

■ 20.5617, 12.6866,
5.2359

■ 20.5617, 12.6866,
5.2359

■ 19.4619, 11.0775,
3.0493

■ 22.1261, 14.9761,
8.3453

■ 18.7748, 10.0721,
1.6837

■ 24.1979, 18.0078,
12.4638

■ 18.4189, 9.5512,
0.9762

■ 26.8159, 21.8387,
17.6683

■ 18.3601, 9.4651,
0.8593

■ 30.0151, 26.5201,
24.0281

■ 33.8275, 32.0986,
31.6069

■ 38.2826, 38.6177,
40.4636

■ 43.4082, 46.1179,
50.6533

■ 49.2305, 54.6375,
62.2279

■ 55.7741, 64.2126,
75.2366

Harmonies

Analogous

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



22.1051, 12.6866, 13.9840



20.5617, 12.6866, 5.2359



16.6412, 12.6866, 1.9127

Triad

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



20.5617, 12.6866, 5.2359



6.3359, 12.6866, 5.0834



11.9991, 12.6866, 52.4100

Complementary

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



20.5617, 12.6866, 5.2359



25.6420, 35.9218, 47.7013

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.



8.4049, 12.6866, 45.0218



20.5617, 12.6866, 5.2359



5.6374, 12.6866, 13.6445

Square

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



20.5617, 12.6866, 5.2359



8.4859, 12.6866, 1.8677



6.2974, 12.6866, 28.7182



16.5143, 12.6866, 45.3959

Rectangle

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



20.5617, 12.6866, 5.2359



13.5830, 12.6866, 1.2548



6.2974, 12.6866, 28.7182



10.6521, 12.6866, 51.4866

Sweetspot

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



20.5620, 12.6873, 5.2361



59.6034, 55.6615, 53.8563



27.8589, 15.6055, 43.6630



12.7707, 11.6962, 11.0683



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.



20.5620, 12.6873, 5.2361



34.5289, 18.9701, 4.0106



25.5182, 22.5997, 6.8882



8.4964, 8.5054, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0193

Inverse Universe

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



25.6420, 35.9218, 47.7013



44.3855, 64.0513, 86.4050



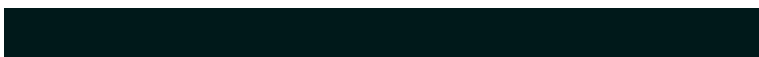
16.1429, 16.9236, 44.5349



8.7426, 9.6315, 10.9046



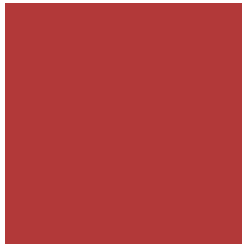
17.1395, 25.0793, 34.0744



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 20.5617, 12.6866, 5.2359 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 20.5617, 12.6866, 5.2359

Background



This preview shows how black text looks on a background with the XYZ color 20.5617, 12.6866, 5.2359.



This preview shows how white text looks on a background with the XYZ color 20.5617, 12.6866,

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

20.5617, 12.6866, 5.2359

Protanopia

12.0406, 12.9765, 8.1734

Deuteranopia

13.0708, 12.8811, 4.8150



Tritanopia

20.6388, 12.7175, 5.6419

Trichromacy



Original Color

20.5617, 12.6866, 5.2359

Protanomaly

13.9345, 11.8888, 6.8705

Deuteranomaly

15.1615, 12.2209, 4.9279

Tritanomaly

20.6126, 12.7070, 5.5040

Monochromacy



Original Color

20.5617, 12.6866, 5.2359

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

12.6288, 10.6016, 8.9701

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5617, 12.6866, 5.2359 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, 57, 57)` looks like.

```
.text, #text, p{  
  color:rgb(178, 57, 57)  
}
```

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, 57, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 57, 57) }
```

Border

The CSS property to change the border of an element to XYZ 20.5617, 12.6866, 5.2359 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, 57, 57) }
```


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

```
.border{ border-color:rgb(178, 57, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 57, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 57, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 57, 57);  
box-shadow:4px 4px 4px 4px rgb(178, 57,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5617, 12.6866, 5.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 57, 57) }
```

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

```
.background{ background-color: rgb(178, 57,  
57) }
```

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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