

Converting Colors

XYZ(20.8903, 13.3841, 6.3328)

Have a look what the booklet for
XYZ(20.8903, 13.3841, 6.3328)
contains.

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Color

**XYZ(20.8903, 13.3841,
6.3328)**

Conversions

Conversions Part 1

Format	Color
Hex	B14040
RGB	177, 64, 64
RGB Percent	69%, 25%, 25%
CMY	0.3059, 0.7490, 0.7490
CMYK	0.00, 0.64, 0.64, 0.31
HSL	0°, 47%, 47%
HSV	0°, 64%, 69%
XYZ	20.8903, 13.3841, 6.3328
YIQ	97.7870, 67.3480, 23.9560

Conversions

Conversions Part 2

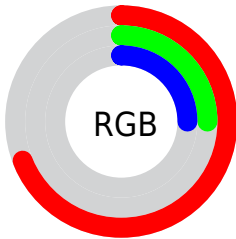
Format	Color
RYB	177, 64, 64
Decimal	11616320
CIELab	43.34, 45.98, 24.81
CIElCh	43, 52.252, 28.353
Yxy	13.3841, 0.5144, 0.3296
Android (android.graphics.Color)	4289806400 (0xFFB14040)
YUV	97.7870, -16.6570, 69.4698
Hunter-Lab	36.5843, 37.9043, 15.3458

Details

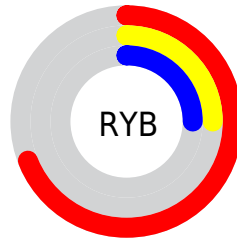
The XYZ color **20.8903, 13.3841, 6.3328** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.7709, 35.7057, 47.1284**, and the grayscale version is **11.5855, 12.1888, 13.2736**.

A 20% lighter version of the original color is **44.5458, 32.0696, 19.1715**, and **7.6066, 3.9057, 1.0624** is the 20% darker color. If you saturate the color by 10%, you get **19.6196, 11.5249, 3.8064**, and if you desaturate by 10%, it is **22.6382, 15.9421, 9.8070**.

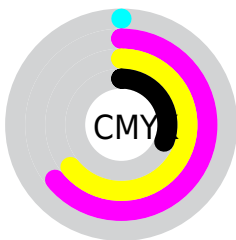
Distribution



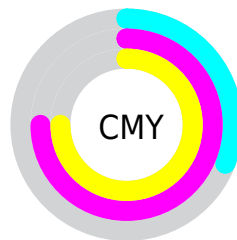
- Red (69%)
- Green (25%)
- Blue (25%)



- Red (69%)
- Yellow (25%)
- Blue (25%)



- Cyan (0%)
- Magenta (64%)
- Yellow (64%)
- Black (31%)





- Cyan (31%)
- Magenta (75%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.8903, 13.3841, 6.3328 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 20.8903, 13.3841, 6.3328 by changing the saturation by 10% instead.


 20.8903, 13.3841,
6.3328


 20.8903, 13.3841,
6.3328


249.4377,
213.3649, 171.4135


 13.1558, 7.6936,
2.9764


 44.3975, 31.9921,
19.1073


 7.6137, 3.8995,
1.0826


 60.9010, 45.6784,
29.3625

 3.8985, 1.6175,
0.0000

 81.0583, 62.7988,
42.7544

 1.6449, 0.3694,
0.0000

 105.2346, 83.7375,
59.7016

 0.4214, 0.0000,
0.0000

 133.7953,
108.8791, 80.6226

 0.0000, 0.0000,
0.0000

 167.1058,

138.6079, 105.9358

205.5315,
173.3084, 136.0600

■ 20.8903, 13.3841,
6.3328

■ 20.8903, 13.3841,
6.3328

■ 19.6196, 11.5249,
3.8064

■ 22.6382, 15.9421,
9.8070

■ 18.7781, 10.2935,
2.1338

■ 24.9030, 19.2562,
14.3093

■ 18.3099, 9.6083,
1.2031

■ 27.7216, 23.3806,
19.9124

■ 18.1315, 9.3473,
0.8486

■ 31.1270, 28.3637,
26.6822

■ 35.1498, 34.2502,
34.6794

■ 39.8184, 41.0816,
43.9605

■ 45.1595, 48.8971,
54.5785

■ 51.1982, 57.7334,
66.5833

■ 57.9583, 67.6253,
80.0226

Harmonies

Analogous

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



22.2148, 13.3841, 15.2242



20.8903, 13.3841, 6.3328



17.2662, 13.3841, 2.6312

Triad

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



20.8903, 13.3841, 6.3328



7.1712, 13.3841, 5.7163



12.4984, 13.3841, 50.2282

Complementary

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



20.8903, 13.3841, 6.3328



25.7709, 35.7057, 47.1284

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.



9.0532, 13.3841, 43.0453



20.8903, 13.3841, 6.3328



6.4108, 13.3841, 13.9406

Square

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



20.8903, 13.3841, 6.3328



9.3661, 13.3841, 2.4314



7.0194, 13.3841, 27.9576



16.7948, 13.3841, 44.3800

Rectangle

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



20.8903, 13.3841, 6.3328



14.3610, 13.3841, 1.8190



7.0194, 13.3841, 27.9576



11.2112, 13.3841, 49.2072

Sweetspot

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



20.8906, 13.3849, 6.3330



58.8620, 55.3558, 53.9782



27.9006, 16.1882, 43.2489



12.3330, 11.3770, 10.8563



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



20.8906, 13.3849, 6.3330



34.3744, 19.5231, 5.2989



25.8336, 23.2708, 7.9807



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.



25.7709, 35.7057, 47.1284



43.8246, 62.7459, 84.2967



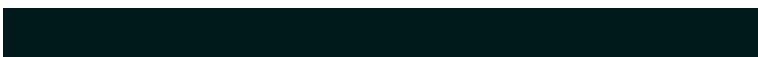
16.8269, 17.8178, 44.1471



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 20.8903, 13.3841, 6.3328 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 20.8903, 13.3841, 6.3328 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 20.8903, 13.3841, 6.3328

Background



This preview shows how black text looks on a background with the XYZ color 20.8903, 13.3841, 6.3328.



This preview shows how white text looks on a background with the XYZ color 20.8903, 13.3841,

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

20.8903, 13.3841, 6.3328

Protanopia

12.7286, 13.5947, 9.5426

Deuteranopia

13.7356, 13.4765, 5.8803



Tritanopia

20.9780, 13.4192, 6.7947

Trichromacy



Original Color

20.8903, 13.3841, 6.3328

Protanomaly

14.6399, 12.7075, 8.1598

Deuteranomaly

15.8205, 13.0016, 5.9507

Tritanomaly

20.9482, 13.4073, 6.6380

Monochromacy



Original Color

20.8903, 13.3841, 6.3328

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.7599, 11.8395, 10.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.8903, 13.3841, 6.3328 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(177, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(177, 64, 64)  
}
```

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(177, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 64, 64) }
```

Border

The CSS property to change the border of an element to XYZ 20.8903, 13.3841, 6.3328 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(177, 64, 64) }
```


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

```
.border{ border-color:rgb(177, 64, 64) }
```

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

Here you see how a box with a 4 pixel rgb(177, 64, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(177, 64,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 20.8903, 13.3841, 6.3328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 64, 64) }
```

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

```
.background{ background-color: rgb(177, 64,  
64) }
```

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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