

Converting Colors

XYZ(20.5026, 13.6683, 7.3029)

Have a look what the booklet for
XYZ(20.5026, 13.6683, 7.3029)
contains.

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Color

**XYZ(20.5292, 13.7068,
7.3580)**

Conversions

Conversions Part 1

Format	Color
Hex	AD4646
RGB	173, 70, 70
RGB Percent	68%, 27%, 27%
CMY	0.3216, 0.7255, 0.7255
CMYK	0.00, 0.60, 0.60, 0.32
HSL	0°, 42%, 48%
HSV	0°, 60%, 68%
XYZ	20.5292, 13.7068, 7.3580
YIQ	100.7970, 61.3880, 21.8360

Conversions

Conversions Part 2

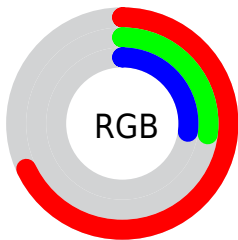
Format	Color
R_{YB}	173, 70, 70
Decimal	11355718
CIE _{Lab}	43.81, 42.20, 21.66
CIE _{LCh}	44, 47.429, 27.168
Yxy	13.7068, 0.4936, 0.3295
Android (android.graphics.Color)	4289545798 (0xFFAD4646)
YUV	100.7970, -15.1829, 63.3220
Hunter-Lab	37.0227, 34.1891, 14.1324

Details

The XYZ color **20.5292, 13.7068, 7.3580** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **25.0108, 34.2036, 44.8186**, and the grayscale version is **12.3447, 12.9876, 14.1435**.

A 20% lighter version of the original color is **43.8338, 32.5507, 21.1122**, and **7.4251, 4.0380, 1.4250** is the 20% darker color. If you saturate the color by 10%, you get **19.1290, 11.6581, 4.5742**, and if you desaturate by 10%, it is **22.3990, 16.4432, 11.0746**.

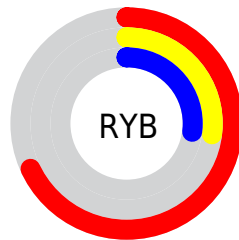
Distribution



Red (68%)

Green (27%)

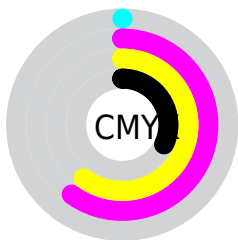
Blue (27%)



Red (68%)

Yellow (27%)

Blue (27%)

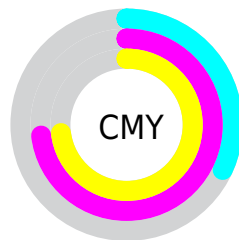


Cyan (0%)

Magenta (60%)

Yellow (60%)

Black (32%)



Cyan (32%)

Magenta (73%)

Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.5292, 13.7068, 7.3580 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 20.5292, 13.7068, 7.3580 by changing the saturation by 10% instead.

■ 20.5292, 13.7068,
7.3580

■ 20.5292, 13.7068,
7.3580

247.5451,
215.3991, 180.3484

■ 12.8908, 7.9170,
3.6052

■ 43.7999, 32.5679,
21.2149

■ 7.4299, 4.0419,
1.4113

■ 60.1628, 46.4080,
32.1560

■ 3.7811, 1.6970,
0.1505

■ 80.1647, 63.7003,
46.3303

■ 1.5790, 0.4217,
0.0000

■ 104.1709, 84.8292,
64.1563

■ 0.3787, 0.0000,
0.0000

■ 132.5466,
110.1792, 86.0526

■ 0.0000, 0.0000,
0.0000

165.6573,

140.1346, 112.4377

203.8684,
175.0797, 143.7301

■ 20.5292, 13.7068,
7.3580

■ 20.5292, 13.7068,
7.3580

■ 19.1290, 11.6581,
4.5742

■ 22.3990, 16.4432,
11.0746

■ 18.1559, 10.2342,
2.6399

■ 24.7741, 19.9187,
15.7961

■ 17.5615, 9.3644,
1.4585

■ 27.6878, 24.1822,
21.5883

■ 17.2466, 8.9035,
0.8326

■ 31.1702, 29.2780,
28.5112

■ 17.2335, 8.8844,
0.8066

■ 35.2494, 35.2469,
36.6205

■ 39.9514, 42.1273,
45.9680

■ 45.3008, 49.9549,
56.6026

■ 51.3208, 58.7639,
68.5705

■ 58.0337, 68.5865,
81.9156

Harmonies

Analogous

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



21.6100, 13.7068, 15.9650



20.5292, 13.7068, 7.3580



17.3281, 13.7068, 3.4467

Triad

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



20.5292, 13.7068, 7.3580



7.8719, 13.7068, 6.3122



12.6759, 13.7068, 46.3872

Complementary

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



20.5292, 13.7068, 7.3580



25.0108, 34.2036, 44.8186

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.



9.5054, 13.7068, 39.7767



20.5292, 13.7068, 7.3580



7.0850, 13.7068, 13.9300

Square

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



20.5292, 13.7068, 7.3580



10.0128, 13.7068, 3.0777



7.6207, 13.7068, 26.4401



16.5946, 13.7068, 41.7645

Rectangle

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



20.5292, 13.7068, 7.3580



14.6909, 13.7068, 2.5041



7.6207, 13.7068, 26.4401



11.4954, 13.7068, 45.3533

Sweetspot

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



20.5295, 13.7076, 7.3582



56.6598, 53.6577, 52.7225



26.9664, 16.2816, 41.2562



11.8993, 11.0550, 10.6344



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.



20.5295, 13.7076, 7.3582



33.7162, 20.0843, 7.1122



25.2372, 23.1229, 8.9275



8.0053, 8.0154, 8.3386



12.6608, 6.5270, 0.5925



0.3522, 0.1816, 0.0165

Inverse Universe

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



25.0108, 34.2036, 44.8186



42.4545, 60.0511, 80.1592



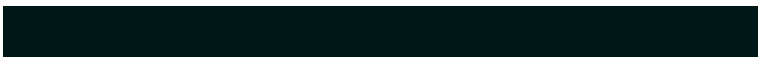
16.9669, 18.1158, 42.1373



8.2363, 9.0720, 10.2697



16.5181, 24.1701, 32.8392



0.4595, 0.6724, 0.9136

Previews

White Background



This preview shows how the XYZ color 20.5292, 13.7068, 7.3580 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 20.5292, 13.7068, 7.3580

Background



This preview shows how black text looks on a background with the XYZ color 20.5292, 13.7068, 7.3580.



This preview shows how white text looks on a background with the XYZ color 20.5292, 13.7068,

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

20.5292, 13.7068, 7.3580

Protanopia

13.0204, 13.8715, 10.5855

Deuteranopia

14.1155, 13.9316, 6.9461



Tritanopia

20.5977, 13.6349, 8.0247

Trichromacy



Original Color

20.5292, 13.7068, 7.3580

Protanomaly

14.9480, 13.2200, 9.3533

Deuteranomaly

15.9132, 13.3896, 7.0559

Tritanomaly

20.5643, 13.6215, 7.8487

Monochromacy



Original Color

20.5292, 13.7068, 7.3580

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

14.2540, 12.5625, 11.3464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.5292, 13.7068, 7.3580 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(173, 70, 70)` looks like.

```
.text, #text, p{  
    color:rgb(173, 70, 70)  
}
```

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(173, 70, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 70, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.5292, 13.7068, 7.3580 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(173, 70, 70) }
```


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

```
.border{ border-color:rgb(173, 70, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 70, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 70, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 70, 70);  
box-shadow:4px 4px 4px 4px rgb(173, 70,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 20.5292, 13.7068, 7.3580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 70, 70) }
```

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

```
.background{ background-color: rgb(173, 70,  
70) }
```

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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