

Converting Colors

XYZ(20.7270, 13.3452, 4.2797)

Have a look what the booklet for
XYZ(20.7270, 13.3452, 4.2797)
contains.

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Color

**XYZ(20.7270, 13.3452,
4.2797)**

Conversions

Conversions Part 1

Format	Color
Hex	B24030
RGB	178, 64, 48
RGB Percent	70%, 25%, 19%
CMY	0.3020, 0.7490, 0.8118
CMYK	0.00, 0.64, 0.73, 0.30
HSL	7°, 58%, 44%
HSV	7°, 73%, 70%
XYZ	20.7270, 13.3452, 4.2797
YIQ	96.2620, 73.0800, 19.1920

Conversions

Conversions Part 2

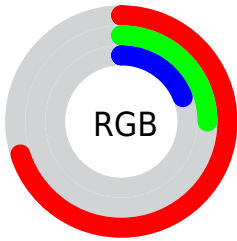
Format	Color
R _{YB}	178, 66, 48
Decimal	11681840
CIE Lab	43.28, 45.44, 34.20
CIE LCh	43, 56.877, 36.968
Yxy	13.3452, 0.5404, 0.3480
Android (android.graphics.Color)	4289871920 (0xFFB24030)
YUV	96.2620, -23.7932, 71.6842
Hunter-Lab	36.5311, 37.3479, 18.6258

Details

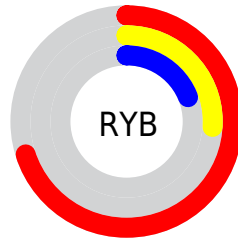
The XYZ color **20.7270, 13.3452, 4.2797** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **22.1737, 29.6806, 46.6794**, and the grayscale version is **11.2261, 11.8108, 12.8619**.

A 20% lighter version of the original color is **44.0235, 31.8995, 14.6634**, and **7.4822, 3.8559, 0.4073** is the 20% darker color. If you saturate the color by 10%, you get **19.6702, 11.7064, 2.4646**, and if you desaturate by 10%, it is **22.1781, 15.5371, 6.9535**.

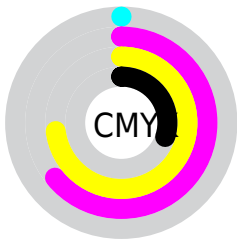
Distribution



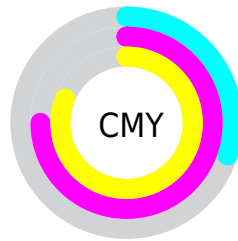
- Red (70%)
- Green (25%)
- Blue (19%)



- Red (70%)
- Yellow (26%)
- Blue (19%)



- Cyan (0%)
- Magenta (64%)
- Yellow (73%)
- Black (30%)





- Cyan (30%)
- Magenta (75%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.7270, 13.3452, 4.2797 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 20.7270, 13.3452, 4.2797 by changing the saturation by 10% instead.


 20.7270, 13.3452,
4.2797


 20.7270, 13.3452,
4.2797


248.5833,
213.1183, 151.2853


 13.0359, 7.6667,
1.7800


 44.1275, 31.9226,
14.6499

 7.5305, 3.8824,
0.4147


 60.5675, 45.5902,
23.3574


 3.8453, 1.6080,
0.0000


 80.6546, 62.6897,
34.9713

 1.6150, 0.3630,
0.0000

 104.7542, 83.6054,
49.9101

 0.4021, 0.0000,
0.0000

 133.2314,
108.7217, 68.5924

 0.0000, 0.0000,
0.0000

 166.4518,

138.4230, 91.4367

204.7807,
173.0938, 118.8614

■ 20.7270, 13.3452,
4.2797

■ 20.7270, 13.3452,
4.2797

■ 19.6702, 11.7064,
2.4646

■ 22.1781, 15.5371,
6.9535

■ 18.9669, 10.5686,
1.4011

■ 24.0570, 18.3236,
10.5745

■ 18.6453, 10.0356,
0.9543

■ 26.3947, 21.7446,
15.2209

■ 29.2191, 25.8362,
20.9627

■ 32.5555, 30.6315,
27.8635

■ 36.4279, 36.1615,
35.9822

■ 40.8585, 42.4554,
45.3737

■ 45.8683, 49.5407,
56.0894

■ 51.4771, 57.4436,
68.1781

Harmonies

Analogous

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



23.0869, 13.3452, 11.7820



20.7270, 13.3452, 4.2797



16.2953, 13.3452, 1.6872

Triad

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



20.7270, 13.3452, 4.2797



6.3768, 13.3452, 6.9559



13.7398, 13.3452, 54.3614

Complementary

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



20.7270, 13.3452, 4.2797



22.1737, 29.6806, 46.6794

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.



9.6504, 13.3452, 50.2414



20.7270, 13.3452, 4.2797



5.9972, 13.3452, 17.6767

Square

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



20.7270, 13.3452, 4.2797



8.2418, 13.3452, 2.4890



7.0488, 13.3452, 34.5461



18.4904, 13.3452, 43.8083

Rectangle

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



20.7270, 13.3452, 4.2797



13.1376, 13.3452, 1.2742



7.0488, 13.3452, 34.5461



12.2414, 13.3452, 54.7120

Sweetspot

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



20.7273, 13.3460, 4.2799



59.4662, 56.1621, 51.4217



26.0128, 14.2172, 35.9450



12.7921, 11.8943, 10.5961



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.



20.7273, 13.3460, 4.2799



34.7754, 19.7926, 3.0765



26.6344, 25.1601, 6.2489



8.5779, 8.6683, 8.8736



13.3670, 7.2326, 0.6915



0.4474, 0.2812, 0.0307

Inverse Universe

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



22.1737, 29.6806, 46.6794



37.3372, 50.6536, 84.1904



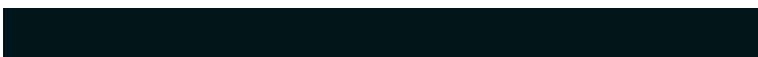
13.6069, 12.5469, 43.8238



8.6516, 9.4494, 10.8743



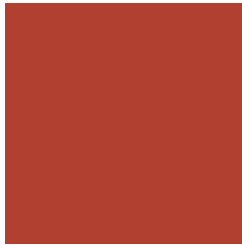
14.2971, 19.3945, 33.1270



0.4748, 0.6600, 1.0506

Previews

White Background



This preview shows how the XYZ color 20.7270, 13.3452, 4.2797 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 20.7270, 13.3452, 4.2797 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 20.7270, 13.3452, 4.2797

Background



This preview shows how black text looks on a background with the XYZ color 20.7270, 13.3452, 4.2797.



This preview shows how white text looks on a background with the XYZ color 20.7270, 13.3452,

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

20.7270, 13.3452, 4.2797

Protanopia

12.5026, 13.5481, 6.3710

Deuteranopia

13.6700, 13.4847, 3.9801



Tritanopia

21.2672, 13.4106, 6.4686

Trichromacy



Original Color

20.7270, 13.3452, 4.2797

Protanomaly

14.6027, 12.7486, 5.4325

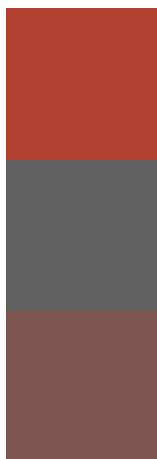
Deuteranomaly

15.6365, 12.9484, 4.0580

Tritanomaly

21.1573, 13.4545, 5.6195

Monochromacy



Original Color

20.7270, 13.3452, 4.2797

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.1858, 11.3408, 8.8912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7270, 13.3452, 4.2797 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, 64, 48)` looks like.

```
.text, #text, p{  
    color:rgb(178, 64, 48)  
}
```

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, 64, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 64, 48) }
```

Border

The CSS property to change the border of an element to XYZ 20.7270, 13.3452, 4.2797 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, 64, 48) }
```


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

```
.border{ border-color:rgb(178, 64, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 64, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 64, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 64, 48);  
box-shadow:4px 4px 4px 4px rgb(178, 64,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7270, 13.3452, 4.2797 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 64, 48) }
```

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

```
.background{ background-color: rgb(178, 64,  
48) }
```

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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