

Converting Colors

XYZ(33.3815, 22.8440, 5.6391)

Have a look what the booklet for
XYZ(33.3815, 22.8440, 5.6391)
contains.

XYZ(33.3163, 22.7900, 5.6606)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.3163, 22.7900,
5.6606)**

Conversions

Conversions Part 1

Format	Color
Hex	DA5C32
RGB	218, 92, 50
RGB Percent	85%, 36%, 20%
CMY	0.1451, 0.6392, 0.8039
CMYK	0.00, 0.58, 0.77, 0.15
HSL	15°, 69%, 53%
HSV	15°, 77%, 85%
XYZ	33.3163, 22.7900, 5.6606
YIQ	124.8860, 88.5780, 13.6500

Conversions

Conversions Part 2

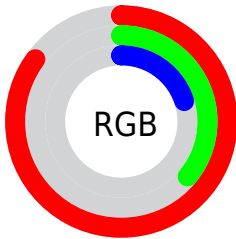
Format	Color
R _Y B	218, 106, 50
Decimal	14310450
CIE Lab	54.86, 47.13, 47.52
CIE LCh	55, 66.928, 45.236
Yxy	22.7900, 0.5394, 0.3690
Android (android.graphics.Color)	4292500530 (0xFFDA5C32)
YUV	124.8860, -36.9188, 81.6610
Hunter-Lab	47.7389, 41.0297, 26.3869

Details

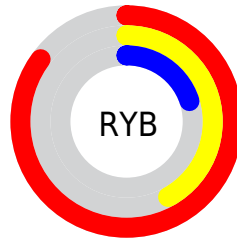
The XYZ color **33.3163, 22.7900, 5.6606** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.4942, 36.7880, 71.8754**, and the grayscale version is **19.5549, 20.5733, 22.4043**.

A 20% lighter version of the original color is **53.7710, 42.7186, 17.2159**, and **14.4034, 8.4541, 0.8727** is the 20% darker color. If you saturate the color by 10%, you get **31.6862, 20.1121, 3.3233**, and if you desaturate by 10%, it is **35.4767, 26.1712, 9.2787**.

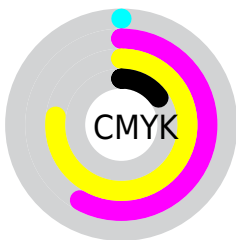
Distribution



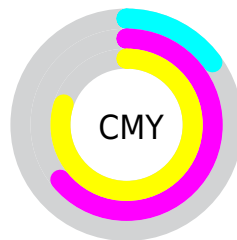
- Red (85%)
- Green (36%)
- Blue (20%)



- Red (85%)
- Yellow (42%)
- Blue (20%)



- Cyan (0%)
- Magenta (58%)
- Yellow (77%)
- Black (15%)





- Cyan (15%)
- Magenta (64%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.3163, 22.7900, 5.6606 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 33.3163, 22.7900, 5.6606 by changing the saturation by 10% instead.


 33.3163, 22.7900,
5.6606


 33.3163, 22.7900,
5.6606


308.7124,
266.6446, 165.2022


 22.5293, 14.4385,
2.5744


 64.2204, 48.0483,
17.6876

 14.3651, 8.4263,
0.8792


 85.0682, 65.7239,
27.4655

 8.4584, 4.3689,
0.0000


 110.0003, 87.2763,
40.3110

 4.4439, 1.8820,
0.0000

 139.3820,
113.0899, 56.6427

 1.9562, 0.5375,
0.0000

 173.5787,
143.5492, 76.8791

 0.6092, 0.0000,
0.0000

 212.9558,

 0.0000, 0.0000,

179.0384, 101.4388

0.0000

257.8786,
219.9421, 130.7403

■ 33.3163, 22.7900,
5.6606

■ 33.3163, 22.7900,
5.6606

■ 31.6862, 20.1121,
3.3233

■ 35.4767, 26.1712,
9.2787

■ 30.5282, 18.0792,
2.0645

■ 38.2122, 30.2992,
14.3305

■ 30.2562, 17.5912,
1.8008

■ 41.5639, 35.2184,
20.9482

■ 45.5685, 40.9682,
29.2487

■ 50.2598, 47.5854,
39.3374

■ 55.6689, 55.1046,
51.3114

■ 61.8254, 63.5584,
65.2605

■ 68.7566, 72.9777,
81.2688

■ 76.4889, 83.3920,
99.4155

Harmonies

Analogous

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



38.5112, 22.7900, 15.5655



33.3163, 22.7900, 5.6606



25.4966, 22.7900, 2.5802

Triad

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



33.3163, 22.7900, 5.6606



10.6027, 22.7900, 15.8048



25.6233, 22.7900, 88.6303

Complementary

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



33.3163, 22.7900, 5.6606



29.4942, 36.7880, 71.8754

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.



18.2311, 22.7900, 88.8338



33.3163, 22.7900, 5.6606



10.6216, 22.7900, 37.1496

Square

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



33.3163, 22.7900, 5.6606



13.0418, 22.7900, 5.7498



13.1011, 22.7900, 66.4961



33.4271, 22.7900, 66.0384

Rectangle

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



33.3163, 22.7900, 5.6606



20.3874, 22.7900, 2.3287



13.1011, 22.7900, 66.4961



22.9870, 22.7900, 91.6151

Sweetspot

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



33.3168, 22.7913, 5.6610



74.5417, 71.8574, 62.3748



37.8904, 20.3212, 42.9996



15.3773, 14.5741, 12.0820



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



33.3168, 22.7913, 5.6610



44.1701, 26.9125, 3.5473



45.0143, 46.1862, 9.5601



13.3193, 13.5779, 13.6444



18.1991, 10.6837, 1.1030



1.2474, 0.8290, 0.0943

Inverse Universe

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



29.4942, 36.7880, 71.8754



38.1635, 47.0066, 101.6695



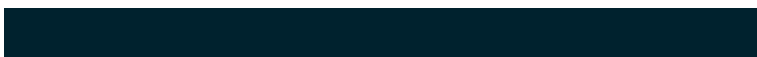
17.7975, 13.3946, 67.9765



13.1548, 14.2494, 16.7092



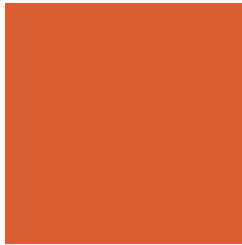
15.5699, 19.0093, 42.5869



1.0754, 1.3649, 2.7812

Previews

White Background



This preview shows how the XYZ color 33.3163, 22.7900, 5.6606 looks on a white 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

Black Background



This preview shows how the XYZ color 33.3163, 22.7900, 5.6606 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.3163, 22.7900, 5.6606

Background



This preview shows how black text looks on a background with the XYZ color 33.3163, 22.7900, 5.6606.



This preview shows how white text looks on a background with the XYZ color 33.3163, 22.7900,

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

33.3163, 22.7900, 5.6606

Protanopia

20.9748, 22.9613, 7.8839

Deuteranopia

23.2509, 22.8267, 5.2784



Tritanopia

34.8992, 22.8223, 12.9217

Trichromacy



Original Color

33.3163, 22.7900, 5.6606

Protanomaly

24.1383, 21.7987, 6.9383

Deuteranomaly

26.1269, 22.1825, 5.2875

Tritanomaly

34.1254, 22.7406, 9.6120

Monochromacy



Original Color

33.3163, 22.7900, 5.6606

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

22.4078, 20.0630, 14.2468

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3163, 22.7900, 5.6606 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(218, 92, 50)` looks like.

```
.text, #text, p{  
    color:rgb(218, 92, 50)  
}
```

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(218, 92, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 92, 50) }
```

Border

The CSS property to change the border of an element to XYZ 33.3163, 22.7900, 5.6606 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(218, 92, 50) }
```


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

```
.border{ border-color:rgb(218, 92, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 92, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 92, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 92, 50);  
box-shadow:4px 4px 4px 4px rgb(218, 92,  
50) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3163, 22.7900, 5.6606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 92, 50) }
```

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

```
.background{ background-color: rgb(218, 92,  
50) }
```

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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