

Converting Colors

XYZ(20.3809, 15.5217, 7.6631)

Have a look what the booklet for
XYZ(20.3809, 15.5217, 7.6631)
contains.

XYZ(20.3211, 15.5286, 7.7206)	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(20.3211, 15.5286,
7.7206)**

Conversions

Conversions Part 1

Format	Color
Hex	A65846
RGB	166, 88, 70
RGB Percent	65%, 35%, 27%
CMY	0.3490, 0.6549, 0.7255
CMYK	0.00, 0.47, 0.58, 0.35
HSL	11°, 41%, 46%
HSV	11°, 58%, 65%
XYZ	20.3211, 15.5286, 7.7206
YIQ	109.2700, 52.2660, 10.9380

Conversions

Conversions Part 2

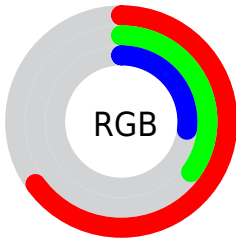
Format	Color
R_{YB}	166, 92, 70
Decimal	10901574
CIE Lab	46.35, 30.23, 24.72
CIE LCh	46, 39.049, 39.274
Yxy	15.5286, 0.4664, 0.3564
Android (android.graphics.Color)	4289091654 (0xFFA65846)
YUV	109.2700, -19.3601, 49.7522
Hunter-Lab	39.4063, 23.0879, 15.9682

Details

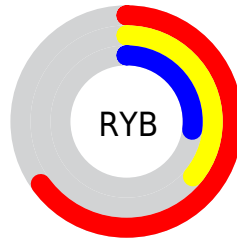
The XYZ color **20.3211, 15.5286, 7.7206** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **19.9980, 25.2337, 39.8929**, and the grayscale version is **14.6558, 15.4191, 16.7914**.

A 20% lighter version of the original color is **43.3029, 35.6444, 22.0505**, and **7.3757, 4.9072, 1.5357** is the 20% darker color. If you saturate the color by 10%, you get **18.8612, 13.3347, 4.9965**, and if you desaturate by 10%, it is **22.1314, 18.1917, 11.2764**.

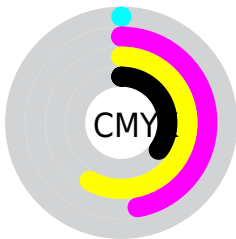
Distribution



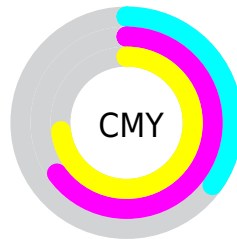
- Red (65%)
- Green (35%)
- Blue (27%)



- Red (65%)
- Yellow (36%)
- Blue (27%)



- Cyan (0%)
- Magenta (47%)
- Yellow (58%)
- Black (35%)



- Cyan (35%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3211, 15.5286, 7.7206 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 20.3211, 15.5286, 7.7206 by changing the saturation by 10% instead.

■ 20.3211, 15.5286,
7.7206

■ 20.3211, 15.5286,
7.7206

246.4487,
226.5438, 183.3758

■ 12.7383, 9.1912,
3.8315

■ 43.4547, 35.7779,
21.9459

■ 7.3243, 4.8661,
1.5334

■ 59.7362, 50.4585,
33.1192

■ 3.7139, 2.1689,
0.2426

■ 79.6481, 68.6891,
47.5576

■ 1.5416, 0.7030,
0.0000

■ 103.5555, 90.8539,
65.6797

■ 0.3539, 0.0000,
0.0000

■ 131.8239,
117.3374, 87.9041

■ 0.0000, 0.0000,
0.0000

164.8187,

148.5239, 114.6492

202.9052,
184.7979, 146.3336

■ 20.3211, 15.5286,
7.7206

■ 20.3211, 15.5286,
7.7206

■ 18.8612, 13.3347,
4.9965

■ 22.1314, 18.1917,
11.2764

■ 17.7271, 11.5801,
3.0348

■ 24.3124, 21.3468,
15.7238

■ 16.8923, 10.2350,
1.7565

■ 26.8839, 25.0181,
21.1180

■ 16.3193, 9.2622,
1.0311

■ 29.8641, 29.2276,
27.5096

■ 16.2193, 9.0939,
0.9004

■ 33.2701, 33.9958,
34.9456

■ 37.1179, 39.3423,
43.4699

■ 41.4226, 45.2856,
53.1240

■ 46.1987, 51.8435,
63.9472

■ 51.4600, 59.0329,
75.9769

Harmonies

Analogous

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



22.0630, 15.5286, 14.1090



20.3211, 15.5286, 7.7206



17.1554, 15.5286, 4.8667

Triad

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



20.3211, 15.5286, 7.7206



9.5229, 15.5286, 11.1897



15.8208, 15.5286, 42.3908

Complementary

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



20.3211, 15.5286, 7.7206



19.9980, 25.2337, 39.8929

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.



12.5977, 15.5286, 40.6589



20.3211, 15.5286, 7.7206



9.2769, 15.5286, 20.0547

Square

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



20.3211, 15.5286, 7.7206



11.0499, 15.5286, 6.2794



10.3182, 15.5286, 31.4596



19.2183, 15.5286, 35.5585

Rectangle

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



20.3211, 15.5286, 7.7206



14.8411, 15.5286, 4.3658



10.3182, 15.5286, 31.4596



14.6781, 15.5286, 42.8341

Sweetspot

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



20.3215, 15.5294, 7.7209



54.5000, 53.4661, 50.5755



23.2931, 14.6382, 29.7810



11.9495, 11.6179, 10.7845



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



20.3215, 15.5294, 7.7209



33.6739, 23.3489, 8.0725



25.5793, 26.0451, 9.4735



7.6408, 7.7616, 7.8847



12.6037, 7.1047, 0.7071



0.3382, 0.2360, 0.0277

Inverse Universe

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



19.9980, 25.2337, 39.8929



32.9532, 42.4637, 71.9348



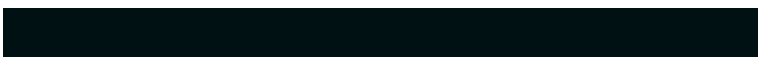
14.0044, 13.2466, 37.8950



7.6262, 8.2893, 9.6164



12.0734, 15.6069, 30.3516



0.3238, 0.4398, 0.7485

Previews

White Background



This preview shows how the XYZ color 20.3211, 15.5286, 7.7206 looks on a white background.

Color Contrast Check

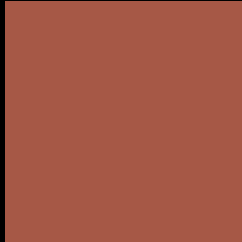
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.3211, 15.5286, 7.7206 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 20.3211, 15.5286, 7.7206

Background



This preview shows how black text looks on a background with the XYZ color 20.3211, 15.5286, 7.7206.



This preview shows how white text looks on a background with the XYZ color 20.3211, 15.5286,

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

20.3211, 15.5286, 7.7206

Protanopia

14.5950, 15.6383, 9.6464

Deuteranopia

15.8962, 15.5767, 7.4790



Tritanopia

21.0732, 15.4678, 11.7724

Trichromacy



Original Color

20.3211, 15.5286, 7.7206

Protanomaly

16.2092, 15.2588, 8.9284

Deuteranomaly

17.3593, 15.4520, 7.5364

Tritanomaly

20.8255, 15.4956, 10.0769

Monochromacy



Original Color

20.3211, 15.5286, 7.7206

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

15.9252, 14.8794, 12.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3211, 15.5286, 7.7206 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(166, 88, 70)` looks like.

```
.text, #text, p{  
    color:rgb(166, 88, 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(166, 88, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 88, 70) }
```

Border

The CSS property to change the border of an element to XYZ 20.3211, 15.5286, 7.7206 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(166, 88, 70) }
```


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

```
.border{ border-color:rgb(166, 88, 70) }
```

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

Here you see how a box with a 4 pixel rgb(166, 88, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 88, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 88, 70);  
box-shadow:4px 4px 4px 4px rgb(166, 88,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3211, 15.5286, 7.7206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 88, 70) }
```

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

```
.background{ background-color: rgb(166, 88,  
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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