

Converting Colors

XYZ(22.3434, 16.7380, 7.6419)

Have a look what the booklet for
XYZ(22.3434, 16.7380, 7.6419)
contains.

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Color

**XYZ(22.3258, 16.6884,
7.6747)**

Conversions

Conversions Part 1

Format	Color
Hex	AF5945
RGB	175, 89, 69
RGB Percent	69%, 35%, 27%
CMY	0.3137, 0.6510, 0.7294
CMYK	0.00, 0.49, 0.61, 0.31
HSL	11°, 43%, 48%
HSV	11°, 61%, 69%
XYZ	22.3258, 16.6884, 7.6747
YIQ	112.4340, 57.6760, 12.0120

Conversions

Conversions Part 2

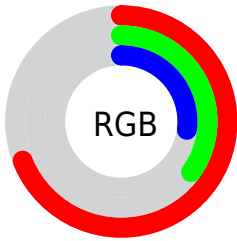
Format	Color
R_{YB}	175, 94, 69
Decimal	11491653
CIE _{Lab}	47.86, 33.22, 27.50
CIE _{LCh}	48, 43.125, 39.612
Yxy	16.6884, 0.4782, 0.3574
Android (android.graphics.Color)	4289681733 (0xFFAF5945)
YUV	112.4340, -21.4130, 54.8704
Hunter-Lab	40.8514, 26.0624, 17.4573

Details

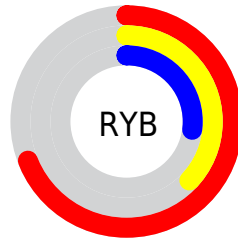
The XYZ color **22.3258, 16.6884, 7.6747** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **21.9127, 27.8015, 44.7687**, and the grayscale version is **15.5784, 16.3897, 17.8484**.

A 20% lighter version of the original color is **46.7266, 37.8502, 21.9826**, and **8.4055, 5.4393, 1.5266** is the 20% darker color. If you saturate the color by 10%, you get **20.7909, 14.3636, 4.8668**, and if you desaturate by 10%, it is **24.2496, 19.5348, 11.4028**.

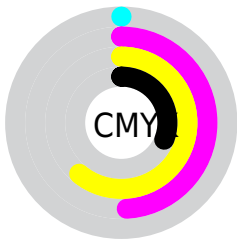
Distribution



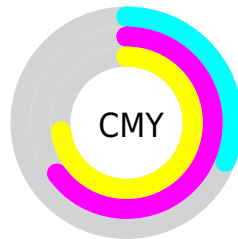
- Red (69%)
- Green (35%)
- Blue (27%)



- Red (69%)
- Yellow (37%)
- Blue (27%)



- Cyan (0%)
- Magenta (49%)
- Yellow (61%)
- Black (31%)



- Cyan (31%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3258, 16.6884, 7.6747 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 22.3258, 16.6884, 7.6747 by changing the saturation by 10% instead.

■ 22.3258, 16.6884,
7.6747

■ 22.3258, 16.6884,
7.6747

256.8435,
233.3703, 182.9961

■ 14.2144, 10.0126,
3.8027

■ 46.7587, 37.7892,
21.8538

■ 8.3527, 5.4073,
1.5178

■ 63.8110, 52.9831,
32.9979

■ 4.3751, 2.4882,
0.2311

■ 84.5743, 71.7850,
47.4033

■ 1.9165, 0.8707,
0.0000

■ 109.4140, 94.5794,
65.4883

■ 0.5864, 0.0000,
0.0000

■ 138.6954,
121.7508, 87.6715

■ 0.0000, 0.0000,
0.0000

172.7839,

153.6835, 114.3715

212.0448,
190.7618, 146.0069

■ 22.3258, 16.6884,
7.6747

■ 22.3258, 16.6884,
7.6747

■ 20.7909, 14.3636,
4.8668

■ 24.2496, 19.5348,
11.4028

■ 19.6160, 12.5255,
2.8972

■ 26.5859, 22.9294,
16.1215

■ 18.7697, 11.1393,
1.6709

■ 29.3579, 26.9003,
21.8955

■ 18.2238, 10.2031,
1.0089

■ 32.5867, 31.4726,
28.7837

■ 36.2918, 36.6701,
36.8405

■ 40.4919, 42.5153,
46.1169

■ 45.2043, 49.0295,
56.6608

■ 50.4457, 56.2331,
68.5174

■ 56.2320, 64.1455,
81.7299

Harmonies

Analogous

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



24.4057, 16.6884, 14.8340



22.3258, 16.6884, 7.6747



18.6032, 16.6884, 4.6063

Triad

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



22.3258, 16.6884, 7.6747



9.8500, 16.6884, 11.7017



17.1394, 16.6884, 48.3958

Complementary

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



22.3258, 16.6884, 7.6747



21.9127, 27.8015, 44.7687

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.



13.4039, 16.6884, 46.4291



22.3258, 16.6884, 7.6747



9.5886, 16.6884, 21.9739

Square

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



22.3258, 16.6884, 7.6747



11.5677, 16.6884, 6.1868



10.7841, 16.6884, 35.4652



21.1054, 16.6884, 40.0799

Rectangle

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



22.3258, 16.6884, 7.6747



15.9124, 16.6884, 4.0912



10.7841, 16.6884, 35.4652



15.8114, 16.6884, 48.9730

Sweetspot

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



22.3262, 16.6893, 7.6750



59.7854, 58.3706, 54.6252



25.7715, 15.7559, 32.9434



12.8886, 12.4111, 11.2790



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.



22.3262, 16.6893, 7.6750



36.3869, 24.4114, 7.2481



28.3423, 28.7215, 9.6804



8.1230, 8.2509, 8.3778



13.0853, 7.3761, 0.7341



0.3992, 0.2756, 0.0322

Inverse Universe

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



21.9127, 27.8015, 44.7687



35.4684, 45.8814, 79.6235



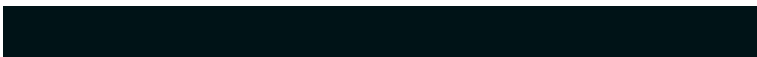
14.9995, 13.9750, 42.4643



8.1059, 8.8112, 10.2262



12.5078, 16.1495, 31.5024



0.3806, 0.5146, 0.8873

Previews

White Background



This preview shows how the XYZ color 22.3258, 16.6884, 7.6747 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 22.3258, 16.6884, 7.6747 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 22.3258, 16.6884, 7.6747

Background



This preview shows how black text looks on a background with the XYZ color 22.3258, 16.6884, 7.6747.



This preview shows how white text looks on a background with the XYZ color 22.3258, 16.6884,

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

22.3258, 16.6884, 7.6747

Protanopia

15.5970, 16.8101, 9.8198

Deuteranopia

17.0702, 16.8079, 7.3456



Tritanopia

23.1641, 16.6584, 12.1197

Trichromacy



Original Color

22.3258, 16.6884, 7.6747

Protanomaly

17.4769, 16.3619, 8.8936

Deuteranomaly

18.6836, 16.5715, 7.3681

Tritanomaly

22.9129, 16.6866, 10.4007

Monochromacy



Original Color

22.3258, 16.6884, 7.6747

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

17.0533, 15.8961, 13.2358

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3258, 16.6884, 7.6747 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(175, 89, 69)` looks like.

```
.text, #text, p{  
    color:rgb(175, 89, 69)  
}
```

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(175, 89, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 89, 69) }
```

Border

The CSS property to change the border of an element to XYZ 22.3258, 16.6884, 7.6747 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(175, 89, 69) }
```


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

```
.border{ border-color:rgb(175, 89, 69) }
```

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

Here you see how a box with a 4 pixel rgb(175, 89, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 89, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 89, 69);  
box-shadow:4px 4px 4px 4px rgb(175, 89,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3258, 16.6884, 7.6747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 89, 69) }
```

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

```
.background{ background-color: rgb(175, 89,  
69) }
```

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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