

Converting Colors

XYZ(22.3557, 16.3613, 7.8372)

Have a look what the booklet for
XYZ(22.3557, 16.3613, 7.8372)
contains.

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Color

**XYZ(22.3378, 16.3279,
7.7686)**

Conversions

Conversions Part 1

Format	Color
Hex	B05646
RGB	176, 86, 70
RGB Percent	69%, 34%, 27%
CMY	0.3098, 0.6627, 0.7255
CMYK	0.00, 0.51, 0.60, 0.31
HSL	9°, 43%, 48%
HSV	9°, 60%, 69%
XYZ	22.3378, 16.3279, 7.7686
YIQ	111.0860, 58.7760, 14.1040

Conversions

Conversions Part 2

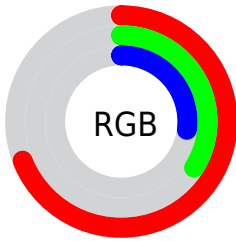
Format	Color
R _Y B	176, 89, 70
Decimal	11556422
CIE Lab	47.40, 35.27, 26.36
CIE LCh	47, 44.037, 36.772
Yxy	16.3279, 0.4811, 0.3516
Android (android.graphics.Color)	4289746502 (0xFFB05646)
YUV	111.0860, -20.2554, 56.9296
Hunter-Lab	40.4078, 27.9628, 16.8867

Details

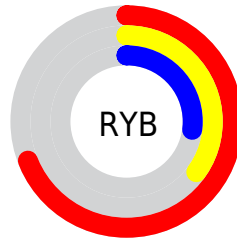
The XYZ color **22.3378, 16.3279, 7.7686** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **22.9322, 29.5765, 45.5743**, and the grayscale version is **15.1799, 15.9704, 17.3918**.

A 20% lighter version of the original color is **46.6792, 37.1710, 22.1672**, and **8.2885, 5.1879, 1.5418** is the 20% darker color. If you saturate the color by 10%, you get **20.7906, 13.9962, 4.9021**, and if you desaturate by 10%, it is **24.2980, 19.2254, 11.5763**.

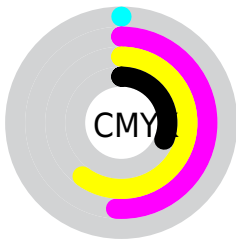
Distribution



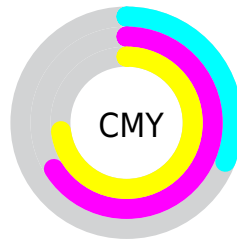
- Red (69%)
- Green (34%)
- Blue (27%)



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



- Cyan (0%)
- Magenta (51%)
- Yellow (60%)
- Black (31%)



- Cyan (31%)
- Magenta (66%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3378, 16.3279, 7.7686 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 22.3378, 16.3279, 7.7686 by changing the saturation by 10% instead.

■ 22.3378, 16.3279,
7.7686

■ 22.3378, 16.3279,
7.7686

256.9046,
231.2689, 183.7719

■ 14.2233, 9.7565,
3.8616

■ 46.7784, 37.1665,
22.0422

■ 8.3589, 5.2378,
1.5497

■ 63.8352, 52.2025,
33.2458

■ 4.3792, 2.3875,
0.2546

■ 84.6035, 70.8288,
47.7188

■ 1.9188, 0.8194,
0.0000

■ 109.4486, 93.4298,
65.8796

■ 0.5877, 0.0000,
0.0000

■ 138.7359,
120.3900, 88.1467

■ 0.0000, 0.0000,
0.0000

172.8308,

152.0936, 114.9388

212.0986,
188.9251, 146.6744

■ 22.3378, 16.3279,
7.7686

■ 22.3378, 16.3279,
7.7686

■ 20.7906, 13.9962,
4.9021

■ 24.2980, 19.2254,
11.5763

■ 19.6249, 12.1903,
2.8933

■ 26.6974, 22.7197,
16.3970

■ 18.8063, 10.8694,
1.6454

■ 29.5610, 26.8430,
22.2967

■ 18.2867, 9.9946,
0.9653

■ 32.9120, 31.6241,
29.3355

■ 36.7717, 37.0901,
37.5690

■ 41.1603, 43.2667,
47.0493

■ 46.0969, 50.1781,
57.8252

■ 51.5994, 57.8475,
69.9431

■ 57.6853, 66.2969,
83.4469

Harmonies

Analogous

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



24.2249, 16.3279, 15.3632



22.3378, 16.3279, 7.7686



18.6701, 16.3279, 4.4412

Triad

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



22.3378, 16.3279, 7.7686



9.5955, 16.3279, 10.5794



16.4207, 16.3279, 48.7880

Complementary

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



22.3378, 16.3279, 7.7686



22.9322, 29.5765, 45.5743

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.



12.7444, 16.3279, 45.7340



22.3378, 16.3279, 7.7686



9.1977, 16.3279, 20.4341

Square

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



22.3378, 16.3279, 7.7686



11.4474, 16.3279, 5.5239



10.2520, 16.3279, 33.9917



20.4574, 16.3279, 41.1405

Rectangle

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



22.3378, 16.3279, 7.7686



15.9455, 16.3279, 3.7978



10.2520, 16.3279, 33.9917



15.1005, 16.3279, 49.0153

Sweetspot

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



22.3382, 16.3288, 7.7689



60.9576, 59.1536, 55.8894



26.4485, 16.1520, 35.0272



12.8041, 12.2421, 11.2509



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.



22.3382, 16.3288, 7.7689



36.9956, 24.2933, 7.6286



28.2281, 28.1086, 9.7322



8.5965, 8.7056, 8.8798



13.4453, 7.3891, 0.7176



0.4551, 0.2967, 0.0333

Inverse Universe

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



22.9322, 29.5765, 45.5743



38.0679, 50.2315, 82.1846



15.6305, 14.9730, 43.1404



8.6312, 9.4086, 10.8675



13.7189, 18.2381, 32.9342



0.4612, 0.6329, 1.0461

Previews

White Background



This preview shows how the XYZ color 22.3378, 16.3279, 7.7686 looks on a white background.

Color Contrast Check

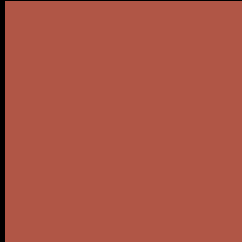
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3378, 16.3279, 7.7686 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

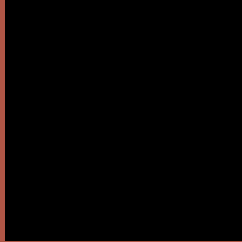
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.3378, 16.3279, 7.7686

Background



This preview shows how black text looks on a background with the XYZ color 22.3378, 16.3279, 7.7686.



This preview shows how white text looks on a background with the XYZ color 22.3378, 16.3279,

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

22.3378, 16.3279, 7.7686

Protanopia

15.4164, 16.5419, 10.1650

Deuteranopia

16.6625, 16.4368, 7.4487



Tritanopia

23.0279, 16.2549, 11.3750

Trichromacy



Original Color

22.3378, 16.3279, 7.7686

Protanomaly

17.3451, 15.9871, 9.1928

Deuteranomaly

18.3328, 16.0989, 7.4513

Tritanomaly

22.8248, 16.2970, 9.9253

Monochromacy



Original Color

22.3378, 16.3279, 7.7686

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

16.8544, 15.4982, 13.1695

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3378, 16.3279, 7.7686 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(176, 86, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 86, 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(176, 86, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 86, 70) }
```

Border

The CSS property to change the border of an element to XYZ 22.3378, 16.3279, 7.7686 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(176, 86, 70) }
```


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

```
.border{ border-color:rgb(176, 86, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 86, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 86, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 86, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 86,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3378, 16.3279, 7.7686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 86, 70) }
```

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

```
.background{ background-color: rgb(176, 86,  
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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