

Converting Colors

XYZ(22.7942, 17.2392, 7.9838)

Have a look what the booklet for
XYZ(22.7942, 17.2392, 7.9838)
contains.

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Color

**XYZ(22.8371, 17.3266,
7.9351)**

Conversions

Conversions Part 1

Format	Color
Hex	B05C46
RGB	176, 92, 70
RGB Percent	69%, 36%, 27%
CMY	0.3098, 0.6392, 0.7255
CMYK	0.00, 0.48, 0.60, 0.31
HSL	12°, 43%, 48%
HSV	12°, 60%, 69%
XYZ	22.8371, 17.3266, 7.9351
YIQ	114.6080, 57.1260, 10.9660

Conversions

Conversions Part 2

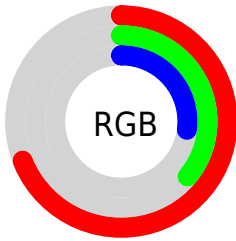
Format	Color
R_{YB}	176, 98, 70
Decimal	11557958
CIE _{Lab}	48.67, 32.09, 27.96
CIE _{LCh}	49, 42.565, 41.059
Yxy	17.3266, 0.4748, 0.3602
Android (android.graphics.Color)	4289748038 (0xFFB05C46)
YUV	114.6080, -21.9917, 53.8408
Hunter-Lab	41.6252, 25.0874, 17.8351

Details

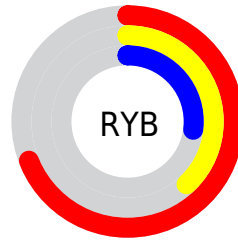
The XYZ color **22.8371, 17.3266, 7.9351** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **21.9170, 27.5462, 45.2358**, and the grayscale version is **16.2299, 17.0751, 18.5948**.

A 20% lighter version of the original color is **47.5640, 38.9406, 22.4622**, and **8.6581, 5.7243, 1.6258** is the 20% darker color. If you saturate the color by 10%, you get **21.2619, 14.9388, 5.0592**, and if you desaturate by 10%, it is **24.7984, 20.2262, 11.7431**.

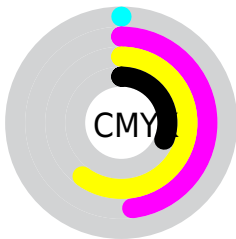
Distribution



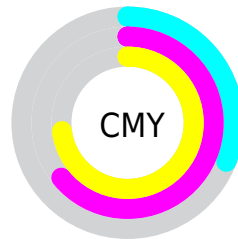
- Red (69%)
- Green (36%)
- Blue (27%)



- Red (69%)
- Yellow (38%)
- Blue (27%)



- Cyan (0%)
- Magenta (48%)
- Yellow (60%)
- Black (31%)



- Cyan (31%)
- Magenta (64%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8371, 17.3266, 7.9351 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 22.8371, 17.3266, 7.9351 by changing the saturation by 10% instead.

■ 22.8371, 17.3266,
7.9351

■ 22.8371, 17.3266,
7.9351

259.4382,
237.0475, 185.1376

■ 14.5933, 10.4676,
3.9663

■ 47.5943, 38.8865,
22.3752

■ 8.6189, 5.7101,
1.6069

■ 64.8385, 54.3561,
33.6835

■ 4.5486, 2.6696,
0.2957

■ 85.8135, 73.4648,
48.2754

■ 2.0169, 0.9618,
0.0000

■ 110.8846, 96.5970,
66.5695

■ 0.6434, 0.0000,
0.0000

■ 140.4173,
124.1369, 88.9842

■ 0.0000, 0.0000,
0.0000

174.7769,

156.4690, 115.9381

214.3287,
193.9778, 147.8497

■ 22.8371, 17.3266,
7.9351

■ 22.8371, 17.3266,
7.9351

■ 21.2619, 14.9388,
5.0592

■ 24.7984, 20.2262,
11.7431

■ 20.0446, 13.0298,
3.0332

■ 27.1687, 23.6626,
16.5542

■ 19.1549, 11.5666,
1.7616

■ 29.9707, 27.6624,
22.4334

■ 18.5516, 10.5245,
1.0537

■ 33.2247, 32.2496,
29.4399

■ 36.9501, 37.4468,
37.6286

■ 41.1647, 43.2755,
47.0509

■ 45.8858, 49.7560,
57.7550

■ 51.1295, 56.9077,
69.7865

■ 56.9114, 64.7492,
83.1890

Harmonies

Analogous

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



25.0376, 17.3266, 15.0172



22.8371, 17.3266, 7.9351



19.0406, 17.3266, 4.9205

Triad

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



22.8371, 17.3266, 7.9351



10.3137, 17.3266, 12.6858



17.9584, 17.3266, 49.0074

Complementary

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



22.8371, 17.3266, 7.9351



21.9170, 27.5462, 45.2358

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.



14.1390, 17.3266, 47.5693



22.8371, 17.3266, 7.9351



10.1185, 17.3266, 23.3213

Square

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



22.8371, 17.3266, 7.9351



11.9935, 17.3266, 6.8137



11.4097, 17.3266, 36.9135



21.9374, 17.3266, 40.2969

Rectangle

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



22.8371, 17.3266, 7.9351



16.3293, 17.3266, 4.4596



11.4097, 17.3266, 36.9135



16.6083, 17.3266, 49.7625

Sweetspot

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



22.8375, 17.3275, 7.9354



61.4836, 60.2056, 56.0647



25.9942, 15.9703, 32.6348



12.9312, 12.4964, 11.2933



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.



22.8375, 17.3275, 7.9354



37.8262, 25.9546, 7.9054



29.0134, 29.6794, 9.9941



8.6346, 8.7817, 8.8925



13.6470, 7.7925, 0.7848



0.4708, 0.3280, 0.0385

Inverse Universe

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



21.9170, 27.5462, 45.2358



35.9034, 45.9025, 81.4631



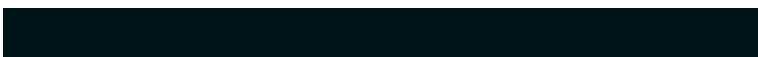
15.0941, 13.9003, 42.9614



8.5899, 9.3260, 10.8537



12.6161, 16.0326, 32.5667



0.4347, 0.5800, 1.0373

Previews

White Background



This preview shows how the XYZ color 22.8371, 17.3266, 7.9351 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 22.8371, 17.3266, 7.9351 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 22.8371, 17.3266, 7.9351

Background



This preview shows how black text looks on a background with the XYZ color 22.8371, 17.3266, 7.9351.



This preview shows how white text looks on a background with the XYZ color 22.8371, 17.3266,

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

22.8371, 17.3266, 7.9351

Protanopia

16.2609, 17.4909, 9.9162

Deuteranopia

17.8231, 17.5130, 7.5952



Tritanopia

23.9980, 17.4360, 12.9271

Trichromacy



Original Color

22.8371, 17.3266, 7.9351

Protanomaly

18.0638, 16.9665, 9.1603

Deuteranomaly

19.2899, 17.1759, 7.6088

Tritanomaly

23.4673, 17.3313, 10.9125

Monochromacy



Original Color

22.8371, 17.3266, 7.9351

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.8264, 16.7346, 14.0949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8371, 17.3266, 7.9351 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, 92, 70)` looks like.

```
.text, #text, p{  
    color:rgb(176, 92, 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, 92, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 92, 70) }
```

Border

The CSS property to change the border of an element to XYZ 22.8371, 17.3266, 7.9351 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, 92, 70) }
```


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

```
.border{ border-color:rgb(176, 92, 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, 92, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 92, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 92, 70);  
box-shadow:4px 4px 4px 4px rgb(176, 92,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8371, 17.3266, 7.9351 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 92, 70) }
```

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

```
.background{ background-color: rgb(176, 92,  
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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