

Converting Colors

XYZ(22.7970, 17.7772, 10.6183)

Have a look what the booklet for
XYZ(22.7970, 17.7772, 10.6183)
contains.

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Color

**XYZ(22.7964, 17.7765,
10.6172)**

Conversions

Conversions Part 1

Format	Color
Hex	AC6054
RGB	172, 96, 84
RGB Percent	67%, 38%, 33%
CMY	0.3255, 0.6235, 0.6706
CMYK	0.00, 0.44, 0.51, 0.33
HSL	8°, 35%, 50%
HSV	8°, 51%, 67%
XYZ	22.7964, 17.7765, 10.6172
YIQ	117.3560, 49.1480, 12.3800

Conversions

Conversions Part 2

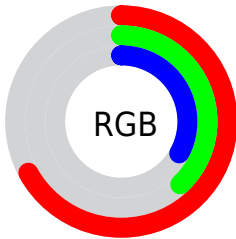
Format	Color
RYB	172, 98, 84
Decimal	11296852
CIELab	49.22, 29.52, 20.40
CIELCh	49, 35.882, 34.649
Yxy	17.7765, 0.4453, 0.3473
Android (android.graphics.Color)	4289486932 (0xFFAC6054)
YUV	117.3560, -16.4445, 47.9228
Hunter-Lab	42.1622, 22.7282, 14.5832

Details

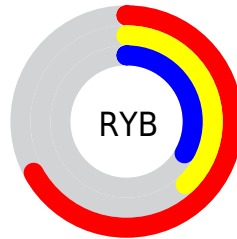
The XYZ color **22.7964, 17.7765, 10.6172** is a dark color, and the websafe version is hex **CC6666**. A complement of this color would be **23.6727, 30.0036, 43.5733**, and the grayscale version is **17.0583, 17.9466, 19.5439**.

A 20% lighter version of the original color is **47.5261, 39.7240, 27.7169**, and **8.5852, 5.8925, 2.6043** is the 20% darker color. If you saturate the color by 10%, you get **20.9741, 15.0809, 7.0844**, and if you desaturate by 10%, it is **25.0411, 21.0522, 15.1072**.

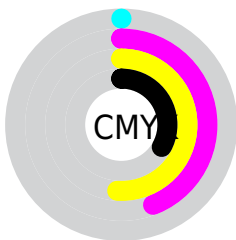
Distribution



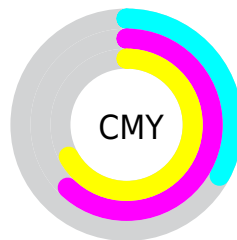
- Red (67%)
- Green (38%)
- Blue (33%)



- Red (67%)
- Yellow (38%)
- Blue (33%)



- Cyan (0%)
- Magenta (44%)
- Yellow (51%)
- Black (33%)



- Cyan (33%)
- Magenta (62%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.7964, 17.7765, 10.6172 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 22.7964, 17.7765, 10.6172 by changing the saturation by 10% instead.

■ 22.7964, 17.7765,
10.6172

■ 22.7964, 17.7765,
10.6172

259.2324,
239.6083, 205.6644

■ 14.5631, 10.7896,
5.6991

■ 47.5279, 39.6561,
27.5758

■ 8.5977, 5.9256,
2.5972

■ 64.7569, 55.3177,
40.4535

■ 4.5347, 2.7999,
0.8910

■ 85.7151, 74.6396,
56.8215

■ 2.0088, 1.0282,
0.0000

■ 110.7679, 98.0062,
77.0982

■ 0.6389, 0.0000,
0.0000

■ 140.2807,
125.8020, 101.7024

■ 0.0000, 0.0000,
0.0000

174.6188,

158.4114, 131.0524

214.1476,
196.2187, 165.5669

■ 22.7964, 17.7765,
10.6172

■ 22.7964, 17.7765,
10.6172

■ 20.9741, 15.0809,
7.0844

■ 25.0411, 21.0522,
15.1072

■ 19.5460, 12.9288,
4.4380

■ 27.7313, 24.9365,
20.6163

■ 18.4828, 11.2838,
2.5991

■ 30.8899, 29.4589,
27.2021

■ 17.7498, 10.1035,
1.4741

■ 34.5379, 34.6467,
34.9179

■ 17.3289, 9.4020,
0.9014

■ 38.6951, 40.5251,
43.8133

■ 43.3800, 47.1183,
53.9349

■ 48.6103, 54.4493,
65.3268

■ 54.4029, 62.5399,
78.0311

■ 60.7740, 71.4112,
92.0877

Harmonies

Analogous

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



24.1991, 17.7765, 17.8925



22.7964, 17.7765, 10.6172



19.8201, 17.7765, 6.9761

Triad

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



22.7964, 17.7765, 10.6172



11.6981, 17.7765, 12.4570



17.4258, 17.7765, 44.3178

Complementary

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



22.7964, 17.7765, 10.6172



23.6727, 30.0036, 43.5733

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.



14.2747, 17.7765, 41.3910



22.7964, 17.7765, 10.6172



11.2335, 17.7765, 20.8963

Square

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



22.7964, 17.7765, 10.6172



13.4784, 17.7765, 7.7645



12.1132, 17.7765, 31.9158



20.8475, 17.7765, 38.9483

Rectangle

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



22.7964, 17.7765, 10.6172



17.5066, 17.7765, 6.1484



12.1132, 17.7765, 31.9158



16.2998, 17.7765, 44.2834

Sweetspot

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



22.7968, 17.7774, 10.6175



59.8295, 58.8404, 57.3443



26.5522, 17.6588, 35.3892



12.7100, 12.3717, 11.8442



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



22.7968, 17.7774, 10.6175



37.7796, 26.9549, 12.3394



27.9527, 28.0892, 12.3362



8.0901, 8.1850, 8.3668



12.9201, 7.0458, 0.6790



0.3862, 0.2495, 0.0278

Inverse Universe

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



23.6727, 30.0036, 43.5733



39.4934, 51.4661, 78.6582



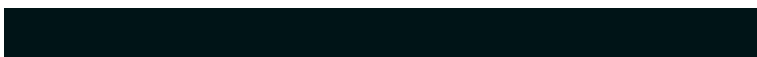
17.3789, 17.4159, 41.4753



8.1418, 8.8829, 10.2382



13.5142, 18.1623, 31.8379



0.4011, 0.5556, 0.8941

Previews

White Background



This preview shows how the XYZ color 22.7964, 17.7765, 10.6172 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 22.7964, 17.7765, 10.6172 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

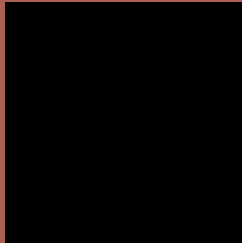
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.7964, 17.7765, 10.6172

Background



This preview shows how black text looks on a background with the XYZ color 22.7964, 17.7765, 10.6172.



This preview shows how white text looks on a background with the XYZ color 22.7964, 17.7765,

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

22.7964, 17.7765, 10.6172

Protanopia

16.7945, 17.8729, 12.9206

Deuteranopia

18.0946, 17.7579, 10.2585



Tritanopia

23.5365, 17.8097, 14.2537

Trichromacy



Original Color

22.7964, 17.7765, 10.6172

Protanomaly

18.4694, 17.4262, 12.0630

Deuteranomaly

19.6259, 17.5927, 10.3440

Tritanomaly

23.3462, 17.8768, 12.8098

Monochromacy



Original Color

22.7964, 17.7765, 10.6172

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.3350, 17.2756, 15.7328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.7964, 17.7765, 10.6172 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(172, 96, 84)` looks like.

```
.text, #text, p{  
    color:rgb(172, 96, 84)  
}
```

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(172, 96, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 96, 84) }
```

Border

The CSS property to change the border of an element to XYZ 22.7964, 17.7765, 10.6172 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(172, 96, 84) }
```


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

```
.border{ border-color:rgb(172, 96, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 96, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 96, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 96, 84);  
box-shadow:4px 4px 4px 4px rgb(172, 96,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 22.7964, 17.7765, 10.6172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 96, 84) }
```

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

```
.background{ background-color: rgb(172, 96,  
84) }
```

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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