

Converting Colors

XYZ(29.3251, 22.3243, 11.6789)

Have a look what the booklet for
XYZ(29.3251, 22.3243, 11.6789)
contains.

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Color

**XYZ(29.4356, 22.3245,
11.7745)**

Conversions

Conversions Part 1

Format	Color
Hex	C46857
RGB	196, 104, 87
RGB Percent	77%, 41%, 34%
CMY	0.2314, 0.5921, 0.6588
CMYK	0.00, 0.47, 0.56, 0.23
HSL	9°, 48%, 55%
HSV	9°, 56%, 77%
XYZ	29.4356, 22.3245, 11.7745
YIQ	129.5700, 60.2890, 14.2170

Conversions

Conversions Part 2

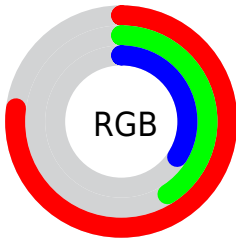
Format	Color
RYB	196, 107, 87
Decimal	12871767
CIELab	54.37, 34.97, 26.04
CIELCh	54, 43.599, 36.678
Yxy	22.3245, 0.4633, 0.3514
Android (android.graphics.Color)	4291061847 (0xFFC46857)
YUV	129.5700, -20.9870, 58.2591
Hunter-Lab	47.2488, 28.5185, 18.2990

Details

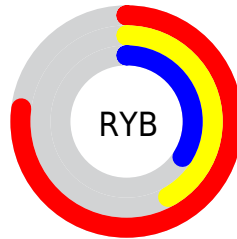
The XYZ color **29.4356, 22.3245, 11.7745** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **30.0135, 38.2501, 58.0256**, and the grayscale version is **21.1237, 22.2238, 24.2017**.

A 20% lighter version of the original color is **57.8123, 47.1801, 29.7265**, and **12.2006, 8.2017, 3.0379** is the 20% darker color. If you saturate the color by 10%, you get **27.2359, 19.0375, 7.6126**, and if you desaturate by 10%, it is **32.1804, 26.3540, 17.1909**.

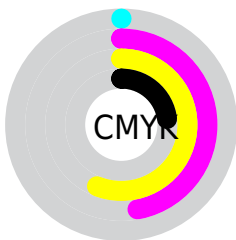
Distribution



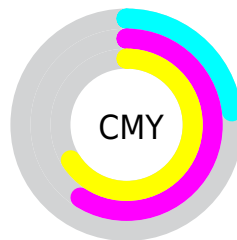
- Red (77%)
- Green (41%)
- Blue (34%)



- Red (77%)
- Yellow (42%)
- Blue (34%)



- Cyan (0%)
- Magenta (47%)
- Yellow (56%)
- Black (23%)





- Cyan (23%)
- Magenta (59%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.4356, 22.3245, 11.7745 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 29.4356, 22.3245, 11.7745 by changing the saturation by 10% instead.


 29.4356, 22.3245,
11.7745


 29.4356, 22.3245,
11.7745


291.2220,
264.2362, 213.8313


 19.5565, 14.0955,
6.4697


 58.1612, 47.2817,
29.7420

 12.1795, 8.1871,
3.0593


 77.7385, 64.7788,
43.2417


 6.9391, 4.2149,
1.1250


 101.2792, 86.1340,
60.3100

 3.4700, 1.7945,
0.0000

 129.1488,
111.7318, 81.3657

 1.4069, 0.4837,
0.0000

 161.7124,
141.9565, 106.8271

 0.2612, 0.0000,
0.0000

199.3356,

 0.0000, 0.0000,

177.1925, 137.1128

0.0000

242.3837,
217.8243, 172.6413

■ 29.4356, 22.3245,
11.7745

■ 29.4356, 22.3245,
11.7745

■ 27.2359, 19.0375,
7.6126

■ 32.1804, 26.3540,
17.1909

■ 25.5425, 16.4440,
4.6026

■ 35.5023, 31.1643,
23.9509

■ 24.3138, 14.4943,
2.6275

■ 39.4328, 36.7949,
32.1369

■ 23.4999, 13.1304,
1.5428

■ 44.0005, 43.2820,
41.8242

■ 23.2439, 12.6938,
1.2251

■ 49.2323, 50.6592,
53.0829

■ 55.1534, 58.9587,
65.9787

■ 61.7878, 68.2107,
80.5735

■ 69.1583, 78.4443,
96.9259

■ 75.9042, 89.1343,
107.8118

Harmonies

Analogous

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



31.6658, 22.3245, 21.3860



29.4356, 22.3245, 11.7745



25.0513, 22.3245, 7.3112

Triad

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



29.4356, 22.3245, 11.7745



13.8767, 22.3245, 15.3390



22.3006, 22.3245, 60.7291

Complementary

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



29.4356, 22.3245, 11.7745



30.0135, 38.2501, 58.0256

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.



17.7985, 22.3245, 57.1853



29.4356, 22.3245, 11.7745



13.3666, 22.3245, 27.4838

Square

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



29.4356, 22.3245, 11.7745



16.2092, 22.3245, 8.7662



14.6939, 22.3245, 43.5600



27.1668, 22.3245, 51.9630

Rectangle

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



29.4356, 22.3245, 11.7745



21.7535, 22.3245, 6.4096



14.6939, 22.3245, 43.5600



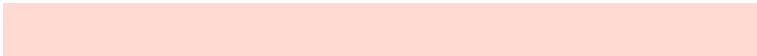
20.6929, 22.3245, 60.9756

Sweetspot

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



29.4361, 22.3257, 11.7749



78.2582, 76.3531, 72.6691



34.3758, 21.8334, 45.3958



16.3771, 15.8134, 14.7595



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



29.4361, 22.3257, 11.7749



48.5092, 33.2286, 12.2754



36.6866, 36.8265, 14.1917



10.1973, 10.3260, 10.5175



14.9765, 8.2387, 0.8009



0.6881, 0.4381, 0.0483

Inverse Universe

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



30.0135, 38.2501, 58.0256



49.5583, 64.7892, 104.5013



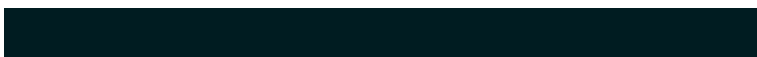
21.2471, 20.7172, 55.1034



10.2304, 11.1521, 12.8982



15.1484, 20.0532, 36.6289



0.6914, 0.9401, 1.5949

Previews

White Background



This preview shows how the XYZ color 29.4356, 22.3245, 11.7745 looks on a white background.

Color Contrast Check

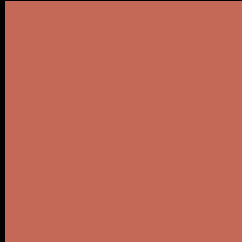
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 29.4356, 22.3245, 11.7745 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 29.4356, 22.3245, 11.7745

Background



This preview shows how black text looks on a background with the XYZ color 29.4356, 22.3245, 11.7745.



This preview shows how white text looks on a background with the XYZ color 29.4356, 22.3245,

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

29.4356, 22.3245, 11.7745

Protanopia

21.0025, 22.4226, 14.7763

Deuteranopia

22.7996, 22.4599, 11.3171



Tritanopia

30.3864, 22.2604, 16.8825

Trichromacy



Original Color

29.4356, 22.3245, 11.7745

Protanomaly

23.3550, 21.9565, 13.5968

Deuteranomaly

24.7561, 22.0206, 11.3331

Tritanomaly

30.0776, 22.2932, 14.7743

Monochromacy



Original Color

29.4356, 22.3245, 11.7745

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

23.2011, 21.7597, 18.8968

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.4356, 22.3245, 11.7745 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(196, 104, 87)` looks like.

```
.text, #text, p{  
    color:rgb(196, 104, 87)  
}
```

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(196, 104, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 104, 87) }
```

Border

The CSS property to change the border of an element to XYZ 29.4356, 22.3245, 11.7745 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(196, 104, 87) }
```


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

```
.border{ border-color:rgb(196, 104, 87) }
```

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

Here you see how a box with a 4 pixel rgb(196, 104, 87) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 104, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 104, 87);  
box-shadow:4px 4px 4px 4px rgb(196, 104,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 29.4356, 22.3245, 11.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 104, 87) }
```

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

```
.background{ background-color: rgb(196,  
104, 87) }
```

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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