

Converting Colors

XYZ(22.2963, 27.4193, 17.4493)

Have a look what the booklet for
XYZ(22.2963, 27.4193, 17.4493)
contains.

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Color

**XYZ(22.3582, 27.4218,
17.4791)**

Conversions

Conversions Part 1

Format	Color
Hex	809669
RGB	128, 150, 105
RGB Percent	50%, 59%, 41%
CMY	0.4980, 0.4118, 0.5882
CMYK	0.15, 0.00, 0.30, 0.41
HSL	89°, 18%, 50%
HSV	89°, 30%, 59%
XYZ	22.3582, 27.4218, 17.4791
YIQ	138.2920, 1.3330, -18.6590

Conversions

Conversions Part 2

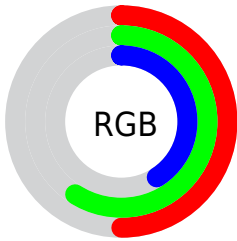
Format	Color
RYB	105, 150, 127
Decimal	8427113
CIELab	59.36, -16.19, 21.24
CIElCh	59, 26.704, 127.312
Yxy	27.4218, 0.3324, 0.4077
Android (android.graphics.Color)	4286617193 (0xFF809669)
YUV	138.2920, -16.4130, -9.0261
Hunter-Lab	52.3658, -15.4275, 16.8658

Details

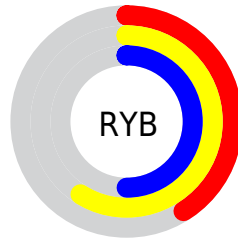
The XYZ color **22.3582, 27.4218, 17.4791** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.3101, 16.8179, 31.0841**, and the grayscale version is **24.3300, 25.5971, 27.8752**.

A 20% lighter version of the original color is **46.7347, 55.4438, 40.1368**, and **8.3422, 10.8388, 5.5233** is the 20% darker color. If you saturate the color by 10%, you get **20.5908, 26.5929, 13.7208**, and if you desaturate by 10%, it is **24.3428, 28.3486, 21.9587**.

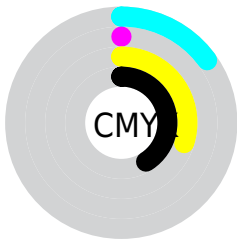
Distribution



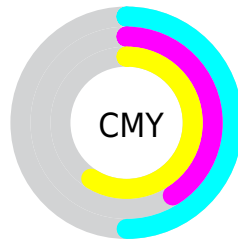
- Red (50%)
- Green (59%)
- Blue (41%)



- Red (41%)
- Yellow (59%)
- Blue (50%)



- Cyan (15%)
- Magenta (0%)
- Yellow (30%)
- Black (41%)



- Cyan (50%)
- Magenta (41%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3582, 27.4218, 17.4791 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 22.3582, 27.4218, 17.4791 by changing the saturation by 10% instead.

■ 22.3582, 27.4218,
17.4791

■ 22.3582, 27.4218,
17.4791

257.0086,
289.6936, 250.0551

■ 14.2384, 17.8903,
10.4111

■ 46.8118, 55.5600,
39.9496

■ 8.3695, 10.8712,
5.5632

■ 63.8763, 74.9354,
56.1891

■ 4.3861, 5.9803,
2.5169

■ 84.6530, 98.3609,
76.3230

■ 1.9228, 2.8331,
0.8491

■ 109.5075,
126.2209, 100.7696

■ 0.5900, 1.0452,
0.0000

138.8049,
158.8998, 129.9476

■ 0.0000, 0.0000,
0.0000

172.9106,

196.7820, 164.2755

212.1901,
240.2518, 204.1718

■ 22.3582, 27.4218,
17.4791

■ 22.3582, 27.4218,
17.4791

■ 20.5908, 26.5929,
13.7208

■ 24.3428, 28.3486,
21.9587

■ 19.0297, 25.8546,
10.6442

■ 26.5507, 29.3733,
27.1927

■ 17.6661, 25.2041,
8.2088


■ 28.9904, 30.5002,
33.2144


■ 16.4894, 24.6370,
6.3689


■ 31.6692, 31.7326,
40.0545


■ 15.4881, 24.1485,
5.0731


■ 34.5943, 33.0734,
47.7422


 14.6488, 23.7329,
4.2607

 37.7722, 34.5254,
56.3051

 13.9402, 23.3775,
3.7776

 41.2094, 36.0915,
65.7697

 44.9121, 37.7741,
76.1612

 48.8862, 39.5759,
87.5040

Harmonies

Analogous

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



25.2540, 27.4218, 15.0676



22.3582, 27.4218, 17.4791



20.5715, 27.4218, 23.3052

Triad

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



22.3582, 27.4218, 17.4791



23.6621, 27.4218, 50.2663



32.9732, 27.4218, 27.5754

Complementary

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



22.3582, 27.4218, 17.4791



19.3101, 16.8179, 31.0841

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.



32.4553, 27.4218, 37.5359



22.3582, 27.4218, 17.4791



26.8903, 27.4218, 52.0920

Square

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



22.3582, 27.4218, 17.4791



21.2782, 27.4218, 42.4643



30.1573, 27.4218, 47.0228



31.5175, 27.4218, 20.0313

Rectangle

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



22.3582, 27.4218, 17.4791



20.1556, 27.4218, 29.0028



30.1573, 27.4218, 47.0228



33.0261, 27.4218, 30.7292

Sweetspot

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



22.3589, 27.4230, 17.4797



47.1925, 51.9915, 48.8083



22.6856, 22.6192, 16.5352



10.3375, 11.4660, 10.5234



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.3589, 27.4230, 17.4797



37.3222, 47.3921, 26.2599



19.3711, 25.8827, 17.3399



5.9952, 6.6054, 6.1994



11.5983, 19.4070, 3.1346



0.1760, 0.2551, 0.0400

Inverse Universe

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



19.3101, 16.8179, 31.0841



31.0558, 25.5931, 54.2244



22.9978, 18.7190, 31.2567



5.7533, 5.7638, 7.2790



6.9030, 3.0312, 24.1523



0.1183, 0.0545, 0.2972

Previews

White Background



This preview shows how the XYZ color 22.3582, 27.4218, 17.4791 looks on a white background.

Color Contrast Check

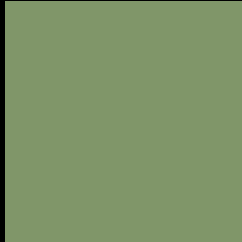
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3582, 27.4218, 17.4791 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 22.3582, 27.4218, 17.4791

Background



This preview shows how black text looks on a background with the XYZ color 22.3582, 27.4218, 17.4791.



This preview shows how white text looks on a background with the XYZ color 22.3582, 27.4218,

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

22.3582, 27.4218, 17.4791

Protanopia

25.5472, 27.4743, 16.5270

Deuteranopia

27.8009, 27.2989, 17.9913



Tritanopia

25.8813, 27.4640, 34.9473

Trichromacy



Original Color

22.3582, 27.4218, 17.4791

Protanomaly

24.4041, 27.5568, 16.8647

Deuteranomaly

25.4637, 27.1798, 17.8141

Tritanomaly

24.3100, 27.2694, 27.6492

Monochromacy



Original Color

22.3582, 27.4218, 17.4791

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.2704, 25.9207, 23.5154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3582, 27.4218, 17.4791 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(128, 150, 105)` looks like.

```
.text, #text, p{  
    color:rgb(128, 150, 105)  
}
```

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(128, 150, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 150, 105) }
```

Border

The CSS property to change the border of an element to XYZ 22.3582, 27.4218, 17.4791 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(128, 150, 105) }
```


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

```
.border{ border-color:rgb(128, 150, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 150, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 150, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 150, 105);  
box-shadow:4px 4px 4px 4px rgb(128, 150,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3582, 27.4218, 17.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 150, 105) }
```

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

```
.background{ background-color: rgb(128,  
150, 105) }
```

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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