

Converting Colors

XYZ(22.1285, 29.4171, 17.7016)

Have a look what the booklet for
XYZ(22.1285, 29.4171, 17.7016)
contains.

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Color

**XYZ(22.2329, 29.5777,
17.6340)**

Conversions

Conversions Part 1

Format	Color
Hex	759F68
RGB	117, 159, 104
RGB Percent	46%, 62%, 41%
CMY	0.5412, 0.3765, 0.5921
CMYK	0.26, 0.00, 0.35, 0.38
HSL	106°, 22%, 52%
HSV	106°, 35%, 62%
XYZ	22.2329, 29.5777, 17.6340
YIQ	140.1720, -7.3770, -26.0090

Conversions

Conversions Part 2

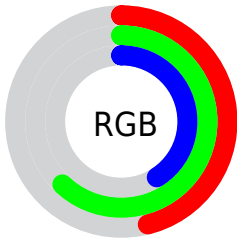
Format	Color
RYB	104, 159, 146
Decimal	7708520
CIELab	61.29, -25.06, 24.24
CIELCh	61, 34.867, 135.959
Yxy	29.5777, 0.3202, 0.4259
Android (android.graphics.Color)	4285898600 (0xFF759F68)
YUV	140.1720, -17.8328, -20.3218
Hunter-Lab	54.3854, -22.2031, 18.8455

Details

The XYZ color **22.2329, 29.5777, 17.6340** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **23.0639, 18.5158, 35.1609**, and the grayscale version is **25.0640, 26.3693, 28.7161**.

A 20% lighter version of the original color is **46.6249, 59.0395, 40.3909**, and **8.2862, 11.9942, 5.6198** is the 20% darker color. If you saturate the color by 10%, you get **19.9734, 28.4984, 13.7026**, and if you desaturate by 10%, it is **24.8579, 30.8296, 22.3787**.

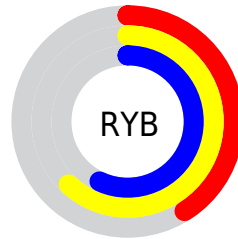
Distribution



Red (46%)

Green (62%)

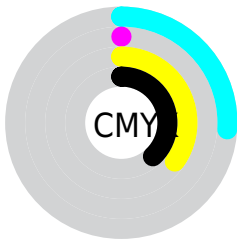
Blue (41%)



Red (41%)

Yellow (62%)

Blue (57%)

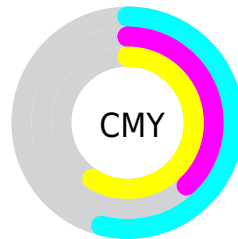


Cyan (26%)

Magenta (0%)

Yellow (35%)

Black (38%)



Cyan (54%)

Magenta (38%)

Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2329, 29.5777, 17.6340 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 22.2329, 29.5777, 17.6340 by changing the saturation by 10% instead.

■ 22.2329, 29.5777,
17.6340

■ 22.2329, 29.5777,
17.6340

256.3697,
299.9310, 250.9664

■ 14.1457, 19.5183,
10.5208

■ 46.6066, 58.9937,
40.2182

■ 8.3044, 12.0454,
5.6355

■ 63.6238, 79.1190,
56.5262

■ 4.3438, 6.7746,
2.5596

■ 84.3485, 103.3685,
76.7363

■ 1.8984, 3.3215,
0.8715

■ 109.1458,
132.1264, 101.2670

■ 0.5759, 1.3018,
0.0000

138.3812,
165.7773, 130.5368

■ 0.0000, 0.1426,
0.0000

172.4201,

■ 0.0000, 0.0000,

204.7054, 164.9643

0.0000

211.6278,
249.2952, 204.9680

■ 22.2329, 29.5777,
17.6340

■ 22.2329, 29.5777,
17.6340

■ 19.9734, 28.4984,
13.7026

■ 24.8579, 30.8296,
22.3787

■ 18.0604, 27.5803,
10.5370

■ 27.8618, 32.2573,
27.9768

■ 16.4767, 26.8165,
8.0877

■ 31.2598, 33.8689,
34.4681

■ 15.2025, 26.1979,
6.2988

■ 35.0658, 35.6707,
41.8893

■ 14.2158, 25.7146,
5.1058

■ 39.2931, 37.6686,
50.2749

■ 13.4908, 25.3551,
4.4299

■ 43.9540, 39.8686,
59.6579

■ 13.1826, 25.2016,
4.1696

■ 49.0607, 42.2760,
70.0695

■ 54.6246, 44.8962,
81.5398

■ 60.6570, 47.7343,
94.0974

Harmonies

Analogous

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



25.7549, 29.5777, 13.5013



22.2329, 29.5777, 17.6340



20.3895, 29.5777, 26.4529

Triad

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



22.2329, 29.5777, 17.6340



26.0251, 29.5777, 63.4817



37.4822, 29.5777, 25.7424

Complementary

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



22.2329, 29.5777, 17.6340



23.0639, 18.5158, 35.1609

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.



37.5749, 29.5777, 38.7360



22.2329, 29.5777, 17.6340



30.6102, 29.5777, 63.1380

Square

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



22.2329, 29.5777, 17.6340



22.4121, 29.5777, 54.0097



34.9473, 29.5777, 53.1694



34.7063, 29.5777, 17.2365

Rectangle

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



22.2329, 29.5777, 17.6340



20.2156, 29.5777, 34.9015



34.9473, 29.5777, 53.1694



37.8376, 29.5777, 29.6512

Sweetspot

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



22.2337, 29.5790, 17.6346



52.4853, 58.9960, 55.0170



26.9617, 28.6991, 17.2156



11.6539, 13.2157, 12.0628



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.2337, 29.5790, 17.6346



36.4478, 51.3606, 25.6980



21.3632, 29.0428, 21.5423



6.6902, 7.4730, 7.0755



10.4438, 19.9207, 3.2946



0.2204, 0.3735, 0.0605

Inverse Universe

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



23.0639, 18.5158, 35.1609



38.1615, 28.3129, 62.1971



24.3797, 19.3245, 29.3356



6.7508, 6.6755, 8.3394



11.2560, 5.2317, 26.3238



0.2356, 0.1113, 0.4723

Previews

White Background



This preview shows how the XYZ color 22.2329, 29.5777, 17.6340 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 22.2329, 29.5777, 17.6340 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 22.2329, 29.5777, 17.6340

Background



This preview shows how black text looks on a background with the XYZ color 22.2329, 29.5777, 17.6340.



This preview shows how white text looks on a background with the XYZ color 22.2329, 29.5777,

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

22.2329, 29.5777, 17.6340

Protanopia

27.1831, 29.2419, 16.0159

Deuteranopia

29.6872, 29.1311, 18.2455



Tritanopia

26.6815, 29.6488, 39.4385

Trichromacy



Original Color

22.2329, 29.5777, 17.6340

Protanomaly

24.9172, 29.0021, 16.5966

Deuteranomaly

26.3806, 29.0137, 18.1197

Tritanomaly

24.7722, 29.6066, 30.0002

Monochromacy



Original Color

22.2329, 29.5777, 17.6340

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.7802, 27.3053, 24.0958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2329, 29.5777, 17.6340 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(117, 159, 104)` looks like.

```
.text, #text, p{  
    color:rgb(117, 159, 104)  
}
```

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(117, 159, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 159, 104) }
```

Border

The CSS property to change the border of an element to XYZ 22.2329, 29.5777, 17.6340 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(117, 159, 104) }
```


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

```
.border{ border-color:rgb(117, 159, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 159, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 159, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 159, 104);  
box-shadow:4px 4px 4px 4px rgb(117, 159,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2329, 29.5777, 17.6340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 159, 104) }
```

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

```
.background{ background-color: rgb(117,  
159, 104) }
```

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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