

Converting Colors

XYZ(22.4588, 29.4091, 19.0187)

Have a look what the booklet for
XYZ(22.4588, 29.4091, 19.0187)
contains.

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Color

**XYZ(22.4584, 29.4094,
18.9609)**

Conversions

Conversions Part 1

Format	Color
Hex	769E6D
RGB	118, 158, 109
RGB Percent	46%, 62%, 43%
CMY	0.5373, 0.3804, 0.5725
CMYK	0.25, 0.00, 0.31, 0.38
HSL	109°, 20%, 52%
HSV	109°, 31%, 62%
XYZ	22.4584, 29.4094, 18.9609
YIQ	140.4540, -8.1110, -23.7190

Conversions

Conversions Part 2

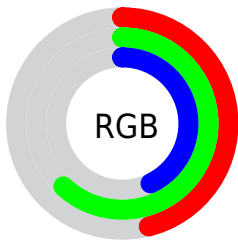
Format	Color
RYB	109, 158, 149
Decimal	7773805
CIELab	61.14, -23.39, 21.32
CIELCh	61, 31.648, 137.658
Yxy	29.4094, 0.3171, 0.4152
Android (android.graphics.Color)	4285963885 (0xFF769E6D)
YUV	140.4540, -15.5068, -19.6922
Hunter-Lab	54.2304, -20.9812, 17.2314

Details

The XYZ color **22.4584, 29.4094, 18.9609** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.0359, 19.7963, 34.9036**, and the grayscale version is **25.1655, 26.4760, 28.8324**.

A 20% lighter version of the original color is **47.0219, 58.8196, 42.5932**, and **8.3802, 11.8739, 6.2651** is the 20% darker color. If you saturate the color by 10%, you get **20.0499, 28.2582, 14.8004**, and if you desaturate by 10%, it is **25.2610, 30.7478, 23.9393**.

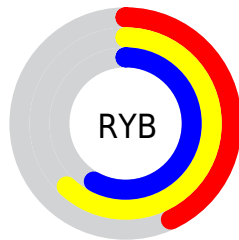
Distribution



Red (46%)

Green (62%)

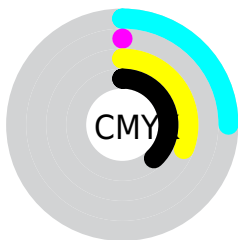
Blue (43%)



Red (43%)

Yellow (62%)

Blue (58%)

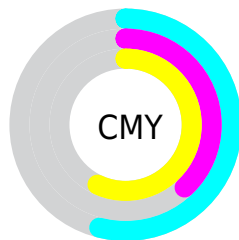


Cyan (25%)

Magenta (0%)

Yellow (31%)

Black (38%)



Cyan (54%)

Magenta (38%)

Yellow (57%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4584, 29.4094, 18.9609 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 22.4584, 29.4094, 18.9609 by changing the saturation by 10% instead.

■ 22.4584, 29.4094,
18.9609

■ 22.4584, 29.4094,
18.9609

257.5185,
299.1417, 258.6484

■ 14.3126, 19.3907,
11.4655

■ 46.9757, 58.7269,
42.5038

■ 8.4216, 11.9530,
6.2628

■ 64.0779, 78.7946,
59.3885

■ 4.4199, 6.7117,
2.9341

■ 84.8963, 102.9807,
80.2399

■ 1.9423, 3.2824,
1.0611

■ 109.7963,
131.6696, 105.4767

■ 0.6013, 1.2809,
0.0000

139.1431,
165.2458, 135.5174

■ 0.0000, 0.1263,
0.0000

173.3022,

■ 0.0000, 0.0000,

204.0936, 170.7806

0.0000

212.6389,
248.5975, 211.6847

■ 22.4584, 29.4094,
18.9609

■ 22.4584, 29.4094,
18.9609

■ 20.0499, 28.2582,
14.8004

■ 25.2610, 30.7478,
23.9393

■ 18.0152, 27.2822,
11.4121

■ 28.4720, 32.2773,
29.7739

■ 16.3359, 26.4737,
8.7491


■ 32.1079, 34.0065,
36.5032


■ 14.9909, 25.8230,
6.7584


■ 36.1835, 35.9423,
44.1625


■ 13.9568, 25.3193,
5.3798


■ 40.7132, 38.0912,
52.7853


 13.2070, 24.9506,
4.5425

 45.7102, 40.4596,
62.4036

 12.7346, 24.7164,
4.0996

 51.1877, 43.0534,
73.0477

 57.1580, 45.8784,
84.7468

 63.6330, 48.9402,
97.5286

Harmonies

Analogous

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



25.6008, 29.4094, 14.8053



22.4584, 29.4094, 18.9609



20.8580, 29.4094, 27.3802

Triad

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



22.4584, 29.4094, 18.9609



26.2812, 29.4094, 59.9460



36.2691, 29.4094, 25.5761

Complementary

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



22.4584, 29.4094, 18.9609



24.0359, 19.7963, 34.9036

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.



36.4976, 29.4094, 37.1605



22.4584, 29.4094, 18.9609



30.4445, 29.4094, 59.1162

Square

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



22.4584, 29.4094, 18.9609



22.9139, 29.4094, 52.0641



34.2772, 29.4094, 50.0182



33.6809, 29.4094, 17.9231

Rectangle

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



22.4584, 29.4094, 18.9609



20.7649, 29.4094, 35.1659



34.2772, 29.4094, 50.0182



36.6330, 29.4094, 29.0710

Sweetspot

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



22.4592, 29.4107, 18.9615



52.8569, 59.1620, 56.1882



27.4834, 29.6172, 18.7366



11.7200, 13.2445, 12.3062



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.



22.4592, 29.4107, 18.9615



37.7716, 51.9669, 29.2035



22.1536, 29.1539, 23.4298



6.6588, 7.4567, 7.0740



10.2242, 19.8075, 3.2844



0.2103, 0.3683, 0.0600

Inverse Universe

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



24.0359, 19.7963, 34.9036



41.0759, 31.7558, 62.7080



24.5509, 20.1994, 28.7120



6.7846, 6.6930, 8.3410



12.2219, 5.7296, 26.3690



0.2469, 0.1171, 0.4728

Previews

White Background



This preview shows how the XYZ color 22.4584, 29.4094, 18.9609 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 22.4584, 29.4094, 18.9609 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

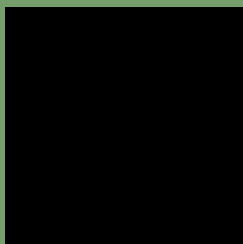
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4584, 29.4094, 18.9609

Background



This preview shows how black text looks on a background with the XYZ color 22.4584, 29.4094, 18.9609.



This preview shows how white text looks on a background with the XYZ color 22.4584, 29.4094,

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

22.4584, 29.4094, 18.9609

Protanopia

27.2305, 29.2378, 17.3050

Deuteranopia

29.7391, 29.1262, 19.6773



Tritanopia

26.4299, 29.2896, 38.9108

Trichromacy



Original Color

22.4584, 29.4094, 18.9609

Protanomaly

25.1697, 29.1031, 17.9265

Deuteranomaly

26.4952, 28.8096, 19.4936

Tritanomaly

24.8257, 29.3795, 30.3489

Monochromacy



Original Color

22.4584, 29.4094, 18.9609

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

23.9119, 27.3579, 24.7892

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4584, 29.4094, 18.9609 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(118, 158, 109)` looks like.

```
.text, #text, p{  
    color:rgb(118, 158, 109)  
}
```

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(118, 158, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 158, 109) }
```

Border

The CSS property to change the border of an element to XYZ 22.4584, 29.4094, 18.9609 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(118, 158, 109) }
```


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

```
.border{ border-color:rgb(118, 158, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 158, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 158, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 158, 109);  
box-shadow:4px 4px 4px 4px rgb(118, 158,  
109) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4584, 29.4094, 18.9609 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 158, 109) }
```

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

```
.background{ background-color: rgb(118,  
158, 109) }
```

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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