

Converting Colors

XYZ(22.1785, 28.5312, 11.1866)

Have a look what the booklet for
XYZ(22.1785, 28.5312, 11.1866)
contains.

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Color

**XYZ(22.0660, 28.3788,
11.1521)**

Conversions

Conversions Part 1

Format	Color
Hex	829A4C
RGB	130, 154, 76
RGB Percent	51%, 60%, 30%
CMY	0.4902, 0.3961, 0.7020
CMYK	0.16, 0.00, 0.51, 0.40
HSL	78°, 34%, 45%
HSV	78°, 51%, 60%
XYZ	22.0660, 28.3788, 11.1521
YIQ	137.9320, 10.7340, -29.3460

Conversions

Conversions Part 2

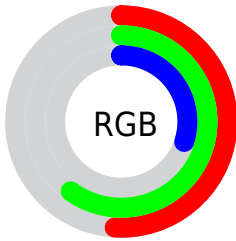
Format	Color
RYB	76, 154, 100
Decimal	8559180
CIELab	60.23, -21.27, 37.85
CIElCh	60, 43.423, 119.335
Yxy	28.3788, 0.3582, 0.4607
Android (android.graphics.Color)	4286749260 (0xFF829A4C)
YUV	137.9320, -30.5325, -6.9564
Hunter-Lab	53.2718, -19.2881, 24.8782

Details

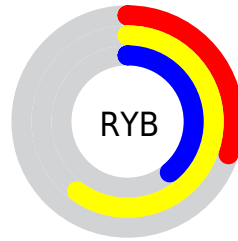
The XYZ color **22.0660, 28.3788, 11.1521** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **13.6738, 10.2120, 31.8239**, and the grayscale version is **24.2420, 25.5045, 27.7744**.

A 20% lighter version of the original color is **46.1538, 56.8344, 28.6162**, and **8.2725, 11.4419, 2.8094** is the 20% darker color. If you saturate the color by 10%, you get **20.8834, 27.8247, 8.6289**, and if you desaturate by 10%, it is **23.4117, 29.0040, 14.3532**.

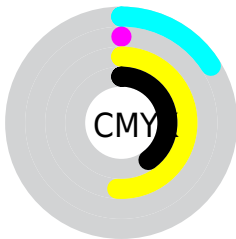
Distribution



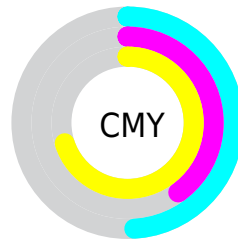
- Red (51%)
- Green (60%)
- Blue (30%)



- Red (30%)
- Yellow (60%)
- Blue (39%)



- Cyan (16%)
- Magenta (0%)
- Yellow (51%)
- Black (40%)



- Cyan (49%)
- Magenta (40%)
- Yellow (70%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0660, 28.3788, 11.1521 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 22.0660, 28.3788, 11.1521 by changing the saturation by 10% instead.

■ 22.0660, 28.3788,
11.1521

■ 22.0660, 28.3788,
11.1521

255.5166,
294.2726, 209.4828

■ 14.0223, 18.6114,
6.0538

■ 46.3331, 57.0886,
28.5820

■ 8.2180, 11.3898,
2.8085

■ 63.2872, 76.7999,
41.7507

■ 4.2877, 6.3297,
0.9977

■ 83.9421, 100.5945,
58.4466

■ 1.8662, 3.0466,
0.0000

■ 108.6632,
128.8570, 79.0882

■ 0.5571, 1.1561,
0.0000

■ 137.8159,
161.9716, 104.0941

■ 0.0000, 0.0254,
0.0000

171.7654,

■ 0.0000, 0.0000,

200.3228, 133.8828

0.0000

210.8772,
244.2950, 168.8729

■ 22.0660, 28.3788,
11.1521

■ 22.0660, 28.3788,
11.1521

■ 20.8834, 27.8247,
8.6289

■ 23.4117, 29.0040,
14.3532

■ 19.8520, 27.3339,
6.7326

■ 24.9272, 29.7000,
18.2744

■ 18.9616, 26.9032,
5.4085

■ 26.6213, 30.4715,
22.9569

■ 18.1992, 26.5275,
4.5910

■ 28.5015, 31.3214,
28.4380

■ 17.5730, 26.2142,
4.1337

■ 30.5749, 32.2527,
34.7526

■ 32.8481, 33.2680,
41.9336

■ 35.3275, 34.3699,
50.0122

■ 38.0189, 35.5608,
59.0178

■ 40.9282, 36.8432,
68.9787

Harmonies

Analogous

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



27.0975, 28.3788, 9.2784



22.0660, 28.3788, 11.1521



18.7807, 28.3788, 17.7638

Triad

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



22.0660, 28.3788, 11.1521



21.8785, 28.3788, 65.4391



39.1416, 28.3788, 31.2565

Complementary

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



22.0660, 28.3788, 11.1521



13.6738, 10.2120, 31.8239

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.



37.2569, 28.3788, 49.2996



22.0660, 28.3788, 11.1521



26.8493, 28.3788, 72.7553

Square

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



22.0660, 28.3788, 11.1521



18.6834, 28.3788, 48.4637



32.5588, 28.3788, 66.0271



37.4111, 28.3788, 18.1929

Rectangle

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



22.0660, 28.3788, 11.1521



17.7698, 28.3788, 25.5712



32.5588, 28.3788, 66.0271



38.9063, 28.3788, 36.9213

Sweetspot

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



22.0667, 28.3801, 11.1527



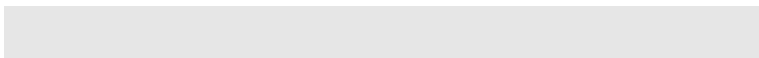
50.1411, 56.1588, 46.8414



19.1318, 16.3924, 8.9935



11.1983, 12.6430, 10.1639



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



22.0667, 28.3801, 11.1527



37.6217, 50.3953, 15.0589



17.2348, 25.8891, 10.9266



6.5238, 7.1275, 6.6377



14.3540, 21.3757, 3.3694



0.2512, 0.3385, 0.0521

Inverse Universe

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



13.6738, 10.2120, 31.8239



20.6136, 13.5069, 57.0569



18.9657, 12.9401, 32.0715



6.0544, 6.1139, 7.7900



5.7551, 2.4179, 25.0711



0.1202, 0.0537, 0.3764

Previews

White Background



This preview shows how the XYZ color 22.0660, 28.3788, 11.1521 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 22.0660, 28.3788, 11.1521 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

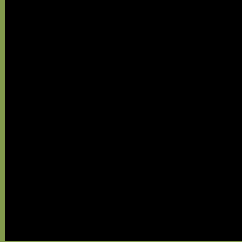
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.0660, 28.3788, 11.1521

Background



This preview shows how black text looks on a background with the XYZ color 22.0660, 28.3788, 11.1521.



This preview shows how white text looks on a background with the XYZ color 22.0660, 28.3788,

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

22.0660, 28.3788, 11.1521

Protanopia

25.8252, 28.2054, 10.3864

Deuteranopia

28.6679, 28.1033, 11.5029



Tritanopia

27.0264, 28.2606, 35.9287

Trichromacy



Original Color

22.0660, 28.3788, 11.1521

Protanomaly

24.2204, 28.0638, 10.6189

Deuteranomaly

25.8817, 27.9846, 11.4346

Tritanomaly

24.6395, 27.9726, 24.5227

Monochromacy



Original Color

22.0660, 28.3788, 11.1521

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

23.0594, 26.3352, 20.0875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0660, 28.3788, 11.1521 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(130, 154, 76)` looks like.

```
.text, #text, p{  
    color:rgb(130, 154, 76)  
}
```

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(130, 154, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 154, 76) }
```

Border

The CSS property to change the border of an element to XYZ 22.0660, 28.3788, 11.1521 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(130, 154, 76) }
```


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

```
.border{ border-color:rgb(130, 154, 76) }
```

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

Here you see how a box with a 4 pixel rgb(130, 154, 76) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 154, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 154, 76);  
box-shadow:4px 4px 4px 4px rgb(130, 154,  
76) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0660, 28.3788, 11.1521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 154, 76) }
```

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

```
.background{ background-color: rgb(130,  
154, 76) }
```

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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