

Converting Colors

XYZ(22.2691, 30.6220, 6.5049)

Have a look what the booklet for
XYZ(22.2691, 30.6220, 6.5049)
contains.

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Color

**XYZ(22.3075, 30.6414,
6.4889)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 81A225 |
| RGB | 129, 162, 37 |
| RGB Percent | 51%, 64%, 15% |
| CMY | 0.4941, 0.3647, 0.8549 |
| CMYK | 0.20, 0.00, 0.77, 0.36 |
| HSL | 76°, 63%, 39% |
| HSV | 76°, 77%, 64% |
| XYZ | 22.3075, 30.6414, 6.4889 |
| YIQ | 137.8830, 20.4570, -45.8710 |

Conversions

Conversions Part 2

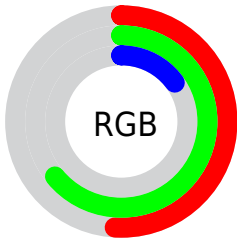
| Format | Color |
|-------------------------------------|--|
| RYB | 37, 162, 70 |
| Decimal | 8495653 |
| CIELab | 62.20, -28.67, 56.71 |
| CIELCh | 62, 63.546, 116.815 |
| Yxy | 30.6414, 0.3753, 0.5155 |
| Android (android.graphics.Color) | 4286685733 (0xFF81A225) |
| YUV | 137.8830, -49.7353, -7.7904 |
| Hunter-Lab | 55.3547, -24.9366, 31.7981 |

Details

The XYZ color **22.3075, 30.6414, 6.4889** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **9.7102, 5.2347, 34.6829**, and the grayscale version is **24.2919, 25.5570, 27.8315**.

A 20% lighter version of the original color is **46.7522, 60.7127, 19.3798**, and **8.4776, 12.6477, 1.9944** is the 20% darker color. If you saturate the color by 10%, you get **21.4715, 30.2346, 5.4042**, and if you desaturate by 10%, it is **23.2850, 31.1101, 8.1706**.

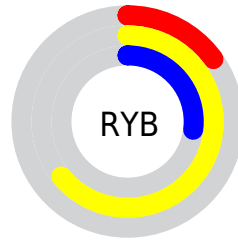
Distribution



Red (51%)

Green (64%)

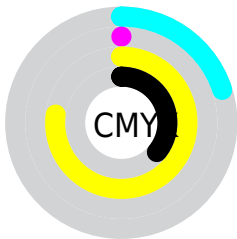
Blue (15%)



Red (15%)

Yellow (64%)

Blue (27%)

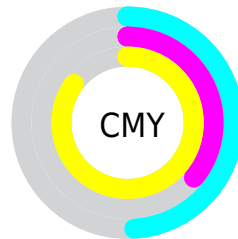


Cyan (20%)

Magenta (0%)

Yellow (77%)

Black (36%)



Cyan (49%)


Magenta (36%)


Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3075, 30.6414, 6.4889 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 22.3075, 30.6414, 6.4889 by changing the saturation by 10% instead.


 22.3075, 30.6414,
6.4889


 22.3075, 30.6414,
6.4889


256.7502,
304.8828, 172.8131


 14.2009, 20.3259,
3.0710


 46.7288, 60.6750,
19.4324

 8.3432, 12.6322,
1.1310


 63.7742, 81.1620,
29.7952


 4.3689, 7.1758,
0.0000


 84.5298, 105.8083,
43.3099

 1.9129, 3.5723,
0.0000

 109.3612,
134.9982, 60.3953

 0.5843, 1.4373,
0.0000

 138.6335,
169.1163, 81.4697

 0.0000, 0.2440,
0.0000

 172.7123,

 0.0000, 0.0000,

208.5468, 106.9518

0.0000

211.9627,
253.6742, 137.2601

■ 22.3075, 30.6414,
6.4889

■ 22.3075, 30.6414,
6.4889

■ 21.4715, 30.2346,
5.4042

■ 23.2850, 31.1101,
8.1706

■ 20.7538, 29.8771,
4.8052

■ 24.4155, 31.6422,
10.5172

■ 20.5602, 29.7802,
4.6645

■ 25.7115, 32.2436,
13.5896

■ 27.1833, 32.9186,
17.4413

■ 28.8405, 33.6711,
22.1208

■ 30.6919, 34.5045,
27.6726

■ 32.7456, 35.4223,
34.1379

■ 35.0092, 36.4274,
41.5556

■ 37.4900, 37.5228,
49.9620

Harmonies

Analogous

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



30.0485, 30.6414, 4.9512



22.3075, 30.6414, 6.4889



17.3995, 30.6414, 13.6317

Triad

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



22.3075, 30.6414, 6.4889



21.0066, 30.6414, 90.4601



48.8590, 30.6414, 36.0535

Complementary

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



22.3075, 30.6414, 6.4889



9.7102, 5.2347, 34.6829

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.



45.1976, 30.6414, 66.4156



22.3075, 30.6414, 6.4889



28.2181, 30.6414, 106.1015

Square

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



22.3075, 30.6414, 6.4889



16.7584, 30.6414, 59.4875



37.2037, 30.6414, 95.6528



46.4355, 30.6414, 16.2873

Rectangle

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



22.3075, 30.6414, 6.4889



15.8504, 30.6414, 23.7187



37.2037, 30.6414, 95.6528



48.2841, 30.6414, 45.3212

Sweetspot

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



22.3082, 30.6428, 6.4895



53.5636, 61.6698, 43.7168



17.3177, 11.9805, 3.1504



11.7771, 13.7366, 9.0726



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



22.3082, 30.6428, 6.4895



37.9739, 54.3865, 8.9413



15.6568, 27.2138, 6.1783



7.4661, 8.1428, 7.5583



16.2390, 23.4820, 3.6766



0.3819, 0.5144, 0.0792

Inverse Universe

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



9.7102, 5.2347, 34.6829



14.3080, 6.2581, 62.5099



16.5057, 8.7379, 35.0010



6.8677, 6.9462, 8.8818



5.9512, 2.4744, 27.0937



0.1670, 0.0736, 0.5713

Previews

White Background



This preview shows how the XYZ color 22.3075, 30.6414, 6.4889 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 22.3075, 30.6414, 6.4889 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 ✓ Pass

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

XYZ 22.3075, 30.6414, 6.4889

Background



This preview shows how black text looks on a background with the XYZ color 22.3075, 30.6414, 6.4889.



This preview shows how white text looks on a background with the XYZ color 22.3075, 30.6414,

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

22.3075, 30.6414, 6.4889

Protanopia

27.5573, 30.3632, 5.9216

Deuteranopia

30.9052, 30.2346, 6.7918



Tritanopia

28.8328, 30.5283, 39.0232

Trichromacy



Original Color

22.3075, 30.6414, 6.4889

Protanomaly

25.1854, 30.1026, 6.0731

Deuteranomaly

27.1198, 29.8848, 6.6245

Tritanomaly

25.2488, 30.0454, 21.2982

Monochromacy



Original Color

22.3075, 30.6414, 6.4889

Achromatopsia

24.1572, 25.4152, 27.6772

Achromatomaly

22.7744, 26.9579, 16.3150

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3075, 30.6414, 6.4889 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(129, 162, 37)` looks like.

```
.text, #text, p{  
    color:rgb(129, 162, 37)  
}
```

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(129, 162, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 162, 37) }
```

Border

The CSS property to change the border of an element to XYZ 22.3075, 30.6414, 6.4889 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(129, 162, 37) }
```


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

```
.border{ border-color:rgb(129, 162, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 162, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 162, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 162, 37);  
box-shadow:4px 4px 4px 4px rgb(129, 162,  
37) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3075, 30.6414, 6.4889 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 162, 37) }
```

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

```
.background{ background-color: rgb(129,  
162, 37) }
```

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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