

Converting Colors

XYZ(12.5368, 22.1602, 3.6166)

Have a look what the booklet for
XYZ(12.5368, 22.1602, 3.6166)
contains.

XYZ(12.5765, 22.2039, 3.6229)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(12.5765, 22.2039,
3.6229)**

Conversions

Conversions Part 1

Format	Color
Hex	3E9400
RGB	62, 148, 0
RGB Percent	24%, 58%, 0%
CMY	0.7569, 0.4196, 1.0000
CMYK	0.58, 0.00, 1.00, 0.42
HSL	95°, 100%, 29%
HSV	95°, 100%, 58%
XYZ	12.5765, 22.2039, 3.6229
YIQ	105.4140, -3.7480, -64.2600

Conversions

Conversions Part 2

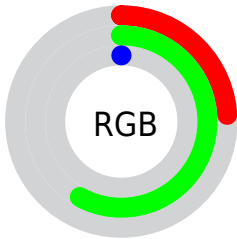
Format	Color
RYB	0, 148, 86
Decimal	4101120
CIELab	54.24, -47.98, 56.78
CIELCh	54, 74.340, 130.200
Yxy	22.2039, 0.3275, 0.5782
Android (android.graphics.Color)	4282291200 (0xFF3E9400)
YUV	105.4140, -51.9691, -38.0741
Hunter-Lab	47.1210, -34.8205, 28.4262

Details

The XYZ color **12.5765, 22.2039, 3.6229** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **9.1846, 4.1175, 28.3288**, and the grayscale version is **13.6783, 14.3906, 15.6714**.

A 20% lighter version of the original color is **30.1758, 47.1346, 13.1377**, and **4.1829, 8.3657, 1.3943** is the 20% darker color. If you saturate the color by 10%, you get **12.5766, 22.2046, 3.6231**, and if you desaturate by 10%, it is **13.2446, 22.5392, 4.0973**.

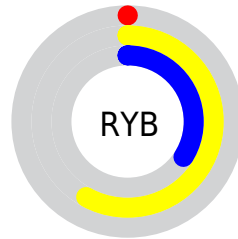
Distribution



Red (24%)

Green (58%)

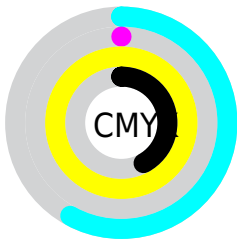
Blue (0%)



Red (0%)

Yellow (58%)

Blue (34%)

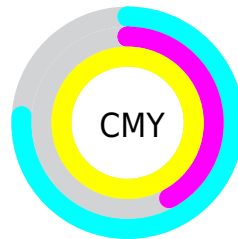


Cyan (58%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (76%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.5765, 22.2039, 3.6229 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 12.5765, 22.2039, 3.6229 by changing the saturation by 10% instead.

■ 12.5765, 22.2039,
3.6229

■ 12.5765, 22.2039,
3.6229

201.8783,
263.6092, 143.9369

■ 7.2126, 14.0068,
1.4208

■ 30.1487, 47.0828,
13.1303

■ 3.6429, 8.1254,
0.1579

■ 43.0876, 64.5333,
21.2727

■ 1.5022, 4.1753,
0.0000

■ 59.2822, 85.8372,
32.2322

■ 0.3273, 1.7721,
0.0000

■ 79.0979, 111.3787,
46.4275


■ 0.0000, 0.4697,
0.0000


■ 102.9000,
141.5422, 64.2771


■ 0.0000, 0.0000,
0.0000


■ 131.0539,


176.7122, 86.1995


 163.9249,
217.2731, 112.6132


 12.5765, 22.2039,
3.6229


 12.5765, 22.2039,
3.6229


 12.5766, 22.2046,
3.6231

 13.2446, 22.5392,
4.0973

 14.0610, 22.9434,
4.8898

 15.0586, 23.4307,
6.1525

 16.2517, 24.0074,
7.9439

 17.6530, 24.6788,
10.3138

■ 19.2738, 25.4498,
13.3064

■ 21.1247, 26.3250,
16.9616

■ 23.2152, 27.3084,
21.3159

■ 25.5545, 28.4042,
26.4033

Harmonies

Analogous

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



18.4693, 22.2039, 1.4998



12.5765, 22.2039, 3.6229



9.5966, 22.2039, 12.0138

Triad

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



12.5765, 22.2039, 3.6229



16.2642, 22.2039, 94.9146



40.3988, 22.2039, 17.1184

Complementary

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



12.5765, 22.2039, 3.6229



9.1846, 4.1175, 28.3288

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.



39.3695, 22.2039, 42.6103



12.5765, 22.2039, 3.6229



23.9784, 22.2039, 99.7951

Square

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



12.5765, 22.2039, 3.6229



11.3182, 22.2039, 65.8012



32.8121, 22.2039, 76.6154



35.3435, 22.2039, 5.3219

Rectangle

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



12.5765, 22.2039, 3.6229



9.0634, 22.2039, 24.3319



32.8121, 22.2039, 76.6154



40.7786, 22.2039, 24.0213

Sweetspot

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



12.5770, 22.2048, 3.6234



37.0621, 46.3482, 29.5013



15.3738, 12.6171, 1.6254



8.1660, 10.4412, 6.1447



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.



12.5770, 22.2048, 3.6234



22.0028, 39.0810, 6.3837



10.6446, 21.2024, 3.8151



5.9461, 6.5800, 6.1971



10.7718, 18.9809, 3.0960



0.1642, 0.2490, 0.0394

Inverse Universe

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



9.1846, 4.1175, 28.3288



16.0048, 7.1613, 49.9733



16.8107, 8.1353, 24.7809



5.8029, 5.7894, 7.2814



7.8758, 3.5327, 24.1978



0.1301, 0.0606, 0.2977

Previews

White Background



This preview shows how the XYZ color 12.5765, 22.2039, 3.6229 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 12.5765, 22.2039, 3.6229 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 12.5765, 22.2039, 3.6229

Background



This preview shows how black text looks on a background with the XYZ color 12.5765, 22.2039, 3.6229.



This preview shows how white text looks on a background with the XYZ color 12.5765, 22.2039,

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

12.5765, 22.2039, 3.6229

Protanopia

19.7043, 21.8115, 3.1715

Deuteranopia

22.1071, 21.6994, 4.3195



Tritanopia

18.2596, 22.2782, 31.7715

Trichromacy



Original Color

12.5765, 22.2039, 3.6229

Protanomaly

15.8744, 21.2532, 3.2656

Deuteranomaly

16.8468, 20.7187, 3.7730

Tritanomaly

14.7991, 21.7500, 14.2446

Monochromacy



Original Color

12.5765, 22.2039, 3.6229

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

11.9703, 16.2038, 7.8069

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.5765, 22.2039, 3.6229 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(62, 148, 0)` looks like.

```
.text, #text, p{  
    color:rgb(62, 148, 0)  
}
```

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(62, 148, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 148, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.5765, 22.2039, 3.6229 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(62, 148, 0) }
```


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

```
.border{ border-color:rgb(62, 148, 0) }
```

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

Here you see how a box with a 4 pixel rgb(62, 148, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 148, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 148, 0);  
box-shadow:4px 4px 4px 4px rgb(62, 148, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.5765, 22.2039, 3.6229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 148, 0) }
```

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

```
.background{ background-color: rgb(62, 148,  
0) }
```

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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