

Converting Colors

XYZ(22.2785, 35.0594, 15.1119)

Have a look what the booklet for
XYZ(22.2785, 35.0594, 15.1119)
contains.

XYZ(22.3369, 35.2368, 15.0753)	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(22.3369, 35.2368,
15.0753)**

Conversions

Conversions Part 1

Format	Color
Hex	5CB359
RGB	92, 179, 89
RGB Percent	36%, 70%, 35%
CMY	0.6392, 0.2980, 0.6510
CMYK	0.49, 0.00, 0.50, 0.30
HSL	118°, 37%, 53%
HSV	118°, 50%, 70%
XYZ	22.3369, 35.2368, 15.0753
YIQ	142.7270, -22.9620, -46.4340

Conversions

Conversions Part 2

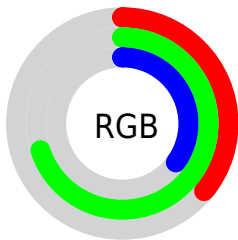
Format	Color
RYB	89, 179, 176
Decimal	6075225
CIELab	65.93, -44.60, 37.80
CIELCh	66, 58.464, 139.722
Yxy	35.2368, 0.3075, 0.4850
Android (android.graphics.Color)	4284265305 (0xFF5CB359)
YUV	142.7270, -26.4874, -44.4876
Hunter-Lab	59.3606, -36.7130, 26.4950

Details

The XYZ color **22.3369, 35.2368, 15.0753** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **29.6154, 19.6308, 44.8779**, and the grayscale version is **26.1091, 27.4688, 29.9135**.

A 20% lighter version of the original color is **46.7288, 67.6356, 35.7914**, and **8.3123, 15.1275, 4.4893** is the 20% darker color. If you saturate the color by 10%, you get **20.1394, 34.1815, 11.5147**, and if you desaturate by 10%, it is **25.1138, 36.5717, 19.6185**.

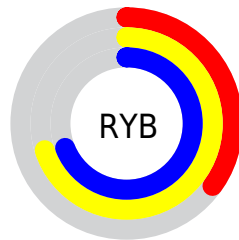
Distribution



Red (36%)

Green (70%)

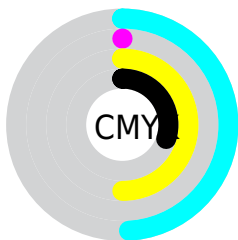
Blue (35%)



Red (35%)

Yellow (70%)

Blue (69%)

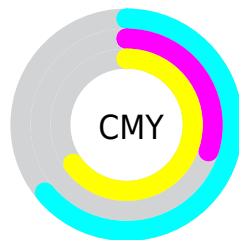


Cyan (49%)

Magenta (0%)

Yellow (50%)

Black (30%)



Cyan (64%)


Magenta (30%)


Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 22.3369, 35.2368, 15.0753 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 22.3369, 35.2368, 15.0753 by changing the saturation by 10% instead.


 22.3369, 35.2368,
15.0753


 22.3369, 35.2368,
15.0753


256.9001,
325.6123, 235.4780


 14.2226, 23.8453,
8.7250


 46.7769, 67.8524,
35.7294

 8.3584, 15.2189,
4.4679

 63.8334, 89.8454,
50.8703

 4.3789, 8.9732,
1.8854


 84.6013, 116.1410,
69.7785

 1.9186, 4.7237,
0.4834

 109.4460,
147.1237, 92.8726

 0.5876, 2.0861,
0.0000

138.7329,
183.1777, 120.5710

 0.0000, 0.6568,
0.0000

172.8273,

 0.0000, 0.0000,

224.6876, 153.2924

0.0000

212.0946,
272.0376, 191.4552

■ 22.3369, 35.2368,
15.0753

■ 22.3369, 35.2368,
15.0753

■ 20.1394, 34.1815,
11.5147

■ 25.1138, 36.5717,
19.6185

■ 18.4779, 33.3820,
8.8620

■ 28.5041, 38.1993,
25.2071

■ 17.3072, 32.8177,
7.0359

■ 32.5427, 40.1373,
31.9011

■ 16.5736, 32.4630,
5.9394

■ 37.2606, 42.4005,
39.7556

■ 16.1955, 32.2801,
5.3771

■ 42.6873, 45.0030,
48.8220

■ 48.8502, 47.9579,
59.1485

■ 55.7755, 51.2777,
70.7806

■ 63.4878, 54.9743,
83.7619

■ 72.0111, 59.0589,
98.1335

Harmonies

Analogous

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



28.1862, 35.2368, 8.7261



22.3369, 35.2368, 15.0753



19.6463, 35.2368, 30.4797

Triad

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



22.3369, 35.2368, 15.0753



30.6106, 35.2368, 106.9178



51.7159, 35.2368, 24.4321

Complementary

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



22.3369, 35.2368, 15.0753



29.6154, 19.6308, 44.8779

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.



52.6686, 35.2368, 47.5093



22.3369, 35.2368, 15.0753



39.4240, 35.2368, 102.9479

Square

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



22.3369, 35.2368, 15.0753



23.8480, 35.2368, 87.3927



47.8516, 35.2368, 78.1387



45.4368, 35.2368, 12.2915

Rectangle

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



22.3369, 35.2368, 15.0753



19.6267, 35.2368, 46.9867



47.8516, 35.2368, 78.1387



52.7065, 35.2368, 30.8716

Sweetspot

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



22.3378, 35.2383, 15.0761



62.3713, 73.8442, 63.9352



35.9205, 41.3575, 15.5413



13.4342, 16.1759, 13.5255



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



22.3378, 35.2383, 15.0761



35.8172, 61.0951, 20.2190



24.3378, 36.0044, 27.1406



8.4143, 9.5031, 9.0433



11.4550, 22.8154, 3.8001



0.3690, 0.7223, 0.1200

Inverse Universe

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



29.6154, 19.6308, 44.8779



50.2799, 30.0242, 79.5264



26.6794, 18.5355, 25.8396



8.8215, 8.6320, 10.7075



17.9451, 8.5868, 30.8486



0.5733, 0.2746, 0.9710

Previews

White Background



This preview shows how the XYZ color 22.3369, 35.2368, 15.0753 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 22.3369, 35.2368, 15.0753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

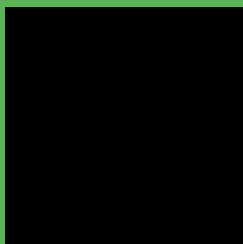
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 22.3369, 35.2368, 15.0753

Background



This preview shows how black text looks on a background with the XYZ color 22.3369, 35.2368, 15.0753.



This preview shows how white text looks on a background with the XYZ color 22.3369, 35.2368,

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

22.3369, 35.2368, 15.0753

Protanopia

31.8256, 34.6356, 12.9906

Deuteranopia

35.3319, 34.6385, 15.8900



Tritanopia

29.3136, 35.1981, 49.5049

Trichromacy



Original Color

22.3369, 35.2368, 15.0753

Protanomaly

26.9530, 33.9481, 13.7264

Deuteranomaly

28.6064, 33.6989, 15.3527

Tritanomaly

26.1146, 35.0285, 33.4018

Monochromacy



Original Color

22.3369, 35.2368, 15.0753

Achromatopsia

26.1081, 27.4677, 29.9124

Achromatomaly

23.7758, 29.4921, 23.1783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3369, 35.2368, 15.0753 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(92, 179, 89)` looks like.

```
.text, #text, p{  
    color:rgb(92, 179, 89)  
}
```

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(92, 179, 89) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 179, 89) }
```

Border

The CSS property to change the border of an element to XYZ 22.3369, 35.2368, 15.0753 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(92, 179, 89) }
```


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

```
.border{ border-color:rgb(92, 179, 89) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 179, 89)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 179, 89); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 179, 89);  
box-shadow:4px 4px 4px 4px rgb(92, 179,  
89) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3369, 35.2368, 15.0753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 179, 89) }
```

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

```
.background{ background-color: rgb(92, 179,  
89) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor