

Converting Colors

XYZ(13.2805, 22.3945, 3.3345)

Have a look what the booklet for
XYZ(13.2805, 22.3945, 3.3345)
contains.

XYZ(13.3354, 22.3633, 3.6137)	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(13.3354, 22.3633,
3.6137)**

Conversions

Conversions Part 1

Format	Color
Hex	4B9300
RGB	75, 147, 0
RGB Percent	29%, 58%, 0%
CMY	0.7059, 0.4235, 1.0000
CMYK	0.49, 0.00, 1.00, 0.42
HSL	89°, 100%, 29%
HSV	89°, 100%, 58%
XYZ	13.3354, 22.3633, 3.6137
YIQ	108.7140, 4.2750, -60.9810

Conversions

Conversions Part 2

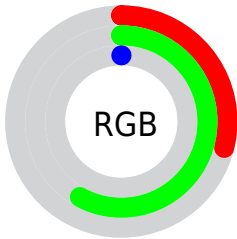
Format	Color
RYB	0, 147, 72
Decimal	4952832
CIELab	54.41, -43.68, 57.12
CIELCh	54, 71.911, 127.404
Yxy	22.3633, 0.3392, 0.5689
Android (android.graphics.Color)	4283142912 (0xFF4B9300)
YUV	108.7140, -53.5960, -29.5672
Hunter-Lab	47.2899, -32.4215, 28.5722

Details

The XYZ color **13.3354, 22.3633, 3.6137** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.9404, 3.4852, 27.8592**, and the grayscale version is **14.6018, 15.3622, 16.7295**.

A 20% lighter version of the original color is **31.5548, 47.4960, 13.1348**, and **4.1798, 8.2296, 1.3682** is the 20% darker color. If you saturate the color by 10%, you get **13.3354, 22.3640, 3.6138**, and if you desaturate by 10%, it is **14.0156, 22.7049, 4.0850**.

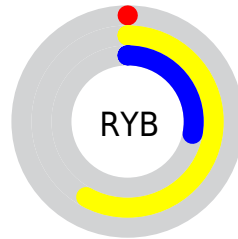
Distribution



Red (29%)

Green (58%)

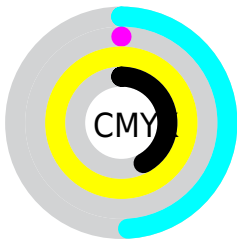
Blue (0%)



Red (0%)

Yellow (58%)

Blue (28%)

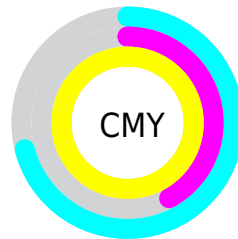


Cyan (49%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (71%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.3354, 22.3633, 3.6137 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 13.3354, 22.3633, 3.6137 by changing the saturation by 10% instead.

■ 13.3354, 22.3633,
3.6137

■ 13.3354, 22.3633,
3.6137

206.6506,
264.4377, 143.8297

■ 7.7385, 14.1241,
1.4159

■ 31.5013, 47.3457,
13.1086

■ 3.9785, 8.2070,
0.1541

■ 44.8009, 64.8577,
21.2427

■ 1.6900, 4.2277,
0.0000

■ 61.3989, 86.2294,
32.1927

■ 0.4500, 1.8017,
0.0000

■ 81.6605, 111.8453,
46.3771


■ 0.0000, 0.4883,
0.0000


■ 105.9511,
142.0896, 64.2145


■ 0.0000, 0.0000,
0.0000


■ 134.6361,


177.3469, 86.1234


 168.0808,
218.0014, 112.5222

 13.3354, 22.3633,
3.6137


 13.3354, 22.3633,
3.6137


 13.3354, 22.3640,
3.6138

 14.0156, 22.7049,
4.0850

 14.8196, 23.1029,
4.8675

 15.7785, 23.5707,
6.1120

 16.9049, 24.1135,
7.8756

 18.2100, 24.7360,
10.2076

■ 19.7036, 25.4424,
13.1513

■ 21.3949, 26.2365,
16.7458

■ 23.2922, 27.1218,
21.0269

■ 25.4034, 28.1017,
26.0280

Harmonies

Analogous

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



19.3675, 22.3633, 1.7100



13.3354, 22.3633, 3.6137



10.1352, 22.3633, 11.2205

Triad

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



13.3354, 22.3633, 3.6137



15.9627, 22.3633, 90.1312



40.0353, 22.3633, 19.1885

Complementary

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



13.3354, 22.3633, 3.6137



7.9404, 3.4852, 27.8592

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.



38.4791, 22.3633, 45.0477



13.3354, 22.3633, 3.6137



23.2627, 22.3633, 97.4036

Square

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



13.3354, 22.3633, 3.6137



11.3706, 22.3633, 61.2264



31.8178, 22.3633, 77.4359



35.6589, 22.3633, 6.3886

Rectangle

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



13.3354, 22.3633, 3.6137



9.4527, 22.3633, 22.4419



31.8178, 22.3633, 77.4359



40.2040, 22.3633, 26.3629

Sweetspot

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



13.3359, 22.3643, 3.6142



38.1137, 46.8904, 29.5505



14.2901, 10.7171, 1.3158



8.4278, 10.5762, 6.1569



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.



13.3359, 22.3643, 3.6142



23.6758, 39.9434, 6.4620



10.4651, 20.8843, 3.4798



5.9947, 6.6051, 6.1994



11.5892, 19.4023, 3.1342



0.1758, 0.2550, 0.0400

Inverse Universe

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



7.9404, 3.4852, 27.8592



14.0151, 6.1355, 49.8802



16.8653, 8.0862, 28.2769



5.7538, 5.7640, 7.2791



6.9116, 3.0356, 24.1527



0.1184, 0.0546, 0.2972

Previews

White Background



This preview shows how the XYZ color 13.3354, 22.3633, 3.6137 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 13.3354, 22.3633, 3.6137 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

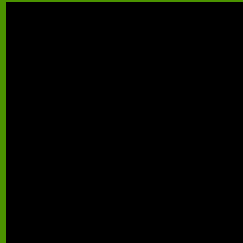
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.3354, 22.3633, 3.6137

Background



This preview shows how black text looks on a background with the XYZ color 13.3354, 22.3633, 3.6137.



This preview shows how white text looks on a background with the XYZ color 13.3354, 22.3633,

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

13.3354, 22.3633, 3.6137

Protanopia

19.8367, 22.0763, 3.2156

Deuteranopia

22.4216, 22.0462, 4.3019



Tritanopia

18.9070, 22.4091, 31.3459

Trichromacy



Original Color

13.3354, 22.3633, 3.6137

Protanomaly

16.5499, 21.6014, 3.2972

Deuteranomaly

17.7289, 21.3748, 3.8074

Tritanomaly

15.4757, 21.8841, 13.9981

Monochromacy



Original Color

13.3354, 22.3633, 3.6137

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

13.0869, 17.1370, 8.2482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.3354, 22.3633, 3.6137 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(75, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(75, 147, 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(75, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 13.3354, 22.3633, 3.6137 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(75, 147, 0) }
```


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

```
.border{ border-color:rgb(75, 147, 0) }
```

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

Here you see how a box with a 4 pixel rgb(75, 147, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(75, 147, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.3354, 22.3633, 3.6137 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 147, 0) }
```

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

```
.background{ background-color: rgb(75, 147,  
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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