

Converting Colors

XYZ(13.6437, 22.0736, 3.9753)

Have a look what the booklet for
XYZ(13.6437, 22.0736, 3.9753)
contains.

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Color

**XYZ(13.6050, 22.0346,
3.9880)**

Conversions

Conversions Part 1

Format	Color
Hex	51910F
RGB	81, 145, 15
RGB Percent	32%, 57%, 6%
CMY	0.6824, 0.4314, 0.9411
CMYK	0.44, 0.00, 0.90, 0.43
HSL	90°, 81%, 31%
HSV	90°, 90%, 57%
XYZ	13.6050, 22.0346, 3.9880
YIQ	111.0440, 3.5860, -53.9980

Conversions

Conversions Part 2

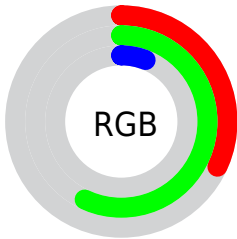
Format	Color
RYB	15, 145, 79
Decimal	5345551
CIELab	54.06, -40.45, 54.38
CIELCh	54, 67.773, 126.642
Yxy	22.0346, 0.3433, 0.5560
Android (android.graphics.Color)	4283535631 (0xFF51910F)
YUV	111.0440, -47.3497, -26.3486
Hunter-Lab	46.9410, -30.4118, 27.8216

Details

The XYZ color **13.6050, 22.0346, 3.9880** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **8.5074, 4.0491, 27.1224**, and the grayscale version is **15.2555, 16.0500, 17.4784**.

A 20% lighter version of the original color is **31.8468, 46.5891, 13.9707**, and **4.3120, 8.1648, 1.3487** is the 20% darker color. If you saturate the color by 10%, you get **12.9420, 21.7031, 3.5216**, and if you desaturate by 10%, it is **14.3917, 22.4245, 4.7655**.

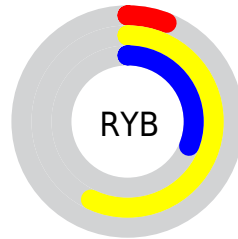
Distribution



Red (32%)

Green (57%)

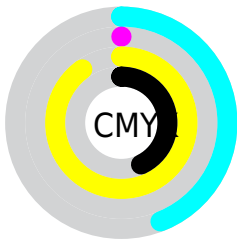
Blue (6%)



Red (6%)

Yellow (57%)

Blue (31%)

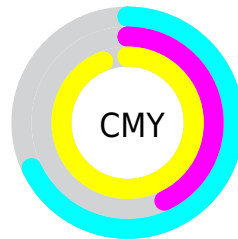


Cyan (44%)

Magenta (0%)

Yellow (90%)

Black (43%)



Cyan (68%)

Magenta (43%)

Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.6050, 22.0346, 3.9880 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 13.6050, 22.0346, 3.9880 by changing the saturation by 10% instead.

■ 13.6050, 22.0346,
3.9880

■ 13.6050, 22.0346,
3.9880

208.3196,
262.7269, 148.0919

■ 7.9263, 13.8823,
1.6188

■ 31.9787, 46.8032,
13.9821

■ 4.0992, 8.0389,
0.3042

■ 45.4043, 64.1883,
22.4440

■ 1.7584, 4.1198,
0.0000

■ 62.1430, 85.4198,
33.7739

■ 0.4924, 1.7408,
0.0000

■ 82.5601, 110.8820,
48.3903


■ 0.0000, 0.4499,
0.0000


■ 107.0210,
140.9595, 66.7118


■ 0.0000, 0.0000,
0.0000


■ 135.8910,


176.0365, 89.1568


 169.5354,
216.4975, 116.1440


 13.6050, 22.0346,
3.9880


 13.6050, 22.0346,
3.9880


 12.9420, 21.7031,
3.5216


 14.3917, 22.4245,
4.7655

 12.9200, 21.6921,
3.5060

 15.3290, 22.8815,
5.9925

 16.4296, 23.4117,
7.7243

 17.7042, 24.0195,
10.0082

 19.1625, 24.7091,
12.8859

■ 20.8131, 25.4841,
16.3952

■ 22.6643, 26.3479,
20.5704

■ 24.7235, 27.3037,
25.4439

■ 26.9980, 28.3546,
31.0455

Harmonies

Analogous

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



19.3544, 22.0346, 2.0820



13.6050, 22.0346, 3.9880



10.4826, 22.0346, 11.2789

Triad

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



13.6050, 22.0346, 3.9880



15.8355, 22.0346, 83.4357



38.3024, 22.0346, 19.6180

Complementary

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



13.6050, 22.0346, 3.9880



8.5074, 4.0491, 27.1224

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.



36.7375, 22.0346, 43.8277



13.6050, 22.0346, 3.9880



22.6167, 22.0346, 90.6065

Square

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



13.6050, 22.0346, 3.9880



11.5446, 22.0346, 57.0617



30.5355, 22.0346, 73.1678



34.4163, 22.0346, 7.0609

Rectangle

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



13.6050, 22.0346, 3.9880



9.7854, 22.0346, 21.7032



30.5355, 22.0346, 73.1678



38.4078, 22.0346, 26.4361

Sweetspot

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



13.6055, 22.0356, 3.9885



37.9331, 45.9457, 30.8195



14.4769, 11.4805, 1.9052



8.2288, 10.1229, 6.3943



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



13.6055, 22.0356, 3.9885



22.9353, 38.7419, 6.2691



10.4465, 20.4070, 3.8406



5.5875, 6.1555, 5.7830



11.1115, 18.6208, 3.0085



0.1316, 0.1911, 0.0300

Inverse Universe

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



8.5074, 4.0491, 27.1224



13.6575, 5.9834, 48.4086



16.5814, 8.2114, 27.5003



5.3666, 5.3772, 6.7838



6.6671, 2.9306, 23.1914



0.0891, 0.0411, 0.2229

Previews

White Background



This preview shows how the XYZ color 13.6050, 22.0346, 3.9880 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 13.6050, 22.0346, 3.9880 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

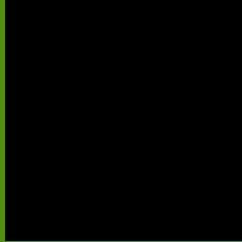
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.6050, 22.0346, 3.9880

Background



This preview shows how black text looks on a background with the XYZ color 13.6050, 22.0346, 3.9880.



This preview shows how white text looks on a background with the XYZ color 13.6050, 22.0346,

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

13.6050, 22.0346, 3.9880

Protanopia

19.5711, 21.7378, 3.3940

Deuteranopia

22.1205, 21.7047, 4.3901



Tritanopia

18.8893, 21.9999, 30.4450

Trichromacy



Original Color

13.6050, 22.0346, 3.9880

Protanomaly

16.7504, 21.4897, 3.5817

Deuteranomaly

17.8420, 21.0264, 4.0954

Tritanomaly

15.8509, 21.6224, 14.8934

Monochromacy



Original Color

13.6050, 22.0346, 3.9880

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

13.6430, 17.3970, 9.4764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.6050, 22.0346, 3.9880 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(81, 145, 15)` looks like.

```
.text, #text, p{  
    color:rgb(81, 145, 15)  
}
```

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(81, 145, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 145, 15) }
```

Border

The CSS property to change the border of an element to XYZ 13.6050, 22.0346, 3.9880 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(81, 145, 15) }
```


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

```
.border{ border-color:rgb(81, 145, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 145, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 145, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 145, 15);  
box-shadow:4px 4px 4px 4px rgb(81, 145,  
15) }
```

Background

The CSS property to change the background color of an element to XYZ 13.6050, 22.0346, 3.9880 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 145, 15) }
```

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

```
.background{ background-color: rgb(81, 145,  
15) }
```

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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