

Converting Colors

XYZ(8.6649, 12.9054, 2.0343)

Have a look what the booklet for
XYZ(8.6649, 12.9054, 2.0343)
contains.

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Color

**XYZ(8.6649, 12.9054,
2.0343)**

Conversions

Conversions Part 1

Format	Color
Hex	4C6F00
RGB	76, 111, 0
RGB Percent	30%, 44%, 0%
CMY	0.7020, 0.5647, 1.0000
CMYK	0.32, 0.00, 1.00, 0.56
HSL	79°, 100%, 22%
HSV	79°, 100%, 44%
XYZ	8.6649, 12.9054, 2.0343
YIQ	87.8810, 14.7710, -41.9410

Conversions

Conversions Part 2

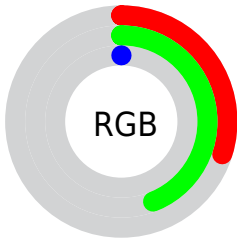
Format	Color
RYB	0, 111, 35
Decimal	5009152
CIELab	42.62, -27.64, 48.00
CIELCh	43, 55.390, 119.936
Yxy	12.9054, 0.3671, 0.5467
Android (android.graphics.Color)	4283199232 (0xFF4C6F00)
YUV	87.8810, -43.3253, -10.4196
Hunter-Lab	35.9241, -19.8129, 21.7894

Details

The XYZ color **8.6649, 12.9054, 2.0343** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **3.5629, 1.5054, 15.1425**, and the grayscale version is **9.3395, 9.8259, 10.7004**.

A 20% lighter version of the original color is **22.9661, 31.1878, 9.0844**, and **2.1542, 3.7492, 0.6101** is the 20% darker color. If you saturate the color by 10%, you get **8.6650, 12.9059, 2.0344**, and if you desaturate by 10%, it is **9.0119, 13.0777, 2.3691**.

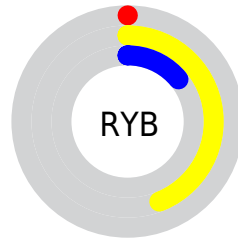
Distribution



Red (30%)

Green (44%)

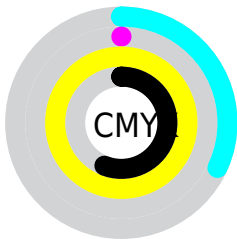
Blue (0%)



Red (0%)

Yellow (44%)

Blue (14%)

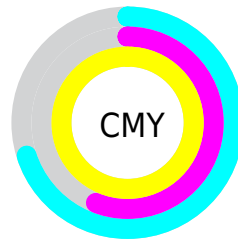


Cyan (32%)

Magenta (0%)

Yellow (100%)

Black (56%)



Cyan (70%)


Magenta (56%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 8.6649, 12.9054, 2.0343 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 8.6649, 12.9054, 2.0343 by changing the saturation by 10% instead.


 8.6649, 12.9054,
2.0343


 8.6649, 12.9054,
2.0343


 175.1185,
210.3105, 122.9071


 4.5786, 7.3634,
0.5762


 22.9251, 31.1337,
9.1344


 2.0344, 3.6904,
0.0000

 33.8298, 44.5889,
15.6632


 0.6532, 1.5019,
0.0000


 47.7379, 61.4506,
24.7359

 0.0000, 0.2901,
0.0000

 65.0149, 82.1031,
36.7711


 0.0000, 0.0000,
0.0000


 86.0261, 106.9310,
52.1873


 111.1369,


136.3186, 71.4030


 140.7126,
170.6503, 94.8367


 8.6649, 12.9054,
2.0343


 8.6649, 12.9054,
2.0343


 8.6650, 12.9059,
2.0344

 9.0119, 13.0777,
2.3691

 9.3989, 13.2672,
2.8350

 9.8476, 13.4833,
3.5450

 10.3636, 13.7282,
4.5268

 10.9517, 14.0037,
5.8043

■ 11.6162, 14.3116,
7.3989

■ 12.3608, 14.6535,
9.3299

■ 13.1892, 15.0308,
11.6152

■ 14.1048, 15.4450,
14.2712

Harmonies

Analogous

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



12.2752, 12.9054, 1.2973



8.6649, 12.9054, 2.0343



6.5254, 12.9054, 5.3649

Triad

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



8.6649, 12.9054, 2.0343



8.6526, 12.9054, 45.0294



22.2305, 12.9054, 14.0775

Complementary

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



8.6649, 12.9054, 2.0343



3.5629, 1.5054, 15.1425

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.



20.6561, 12.9054, 29.0936



8.6649, 12.9054, 2.0343



12.2572, 12.9054, 52.1284

Square

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



8.6649, 12.9054, 2.0343



6.5196, 12.9054, 29.0214



16.7483, 12.9054, 45.0852



20.6688, 12.9054, 5.3883

Rectangle

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



8.6649, 12.9054, 2.0343



5.9145, 12.9054, 10.3890



16.7483, 12.9054, 45.0852



22.0466, 12.9054, 18.4877

Sweetspot

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



8.6652, 12.9060, 2.0346



22.0177, 26.1854, 16.3980



7.1083, 4.4844, 0.4911



5.1820, 6.2416, 3.6558



55.7959, 58.7016, 63.9261



6.5000, 6.8385, 7.4471

Same Dimension

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



8.6652, 12.9060, 2.0346



15.3807, 23.0395, 3.6364



6.0202, 11.5424, 1.9108



3.5445, 3.8660, 3.6327



10.1828, 15.1932, 2.3959



49.8044, 75.2091, 11.8918

Inverse Universe

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



3.5629, 1.5054, 15.1425



6.2573, 2.6322, 27.1081



6.9705, 3.2620, 15.3020



3.3075, 3.3468, 4.2259



4.1729, 1.7606, 17.8415



19.9848, 8.3569, 88.8389

Previews

White Background



This preview shows how the XYZ color 8.6649, 12.9054, 2.0343 looks on a white background.

Color Contrast Check

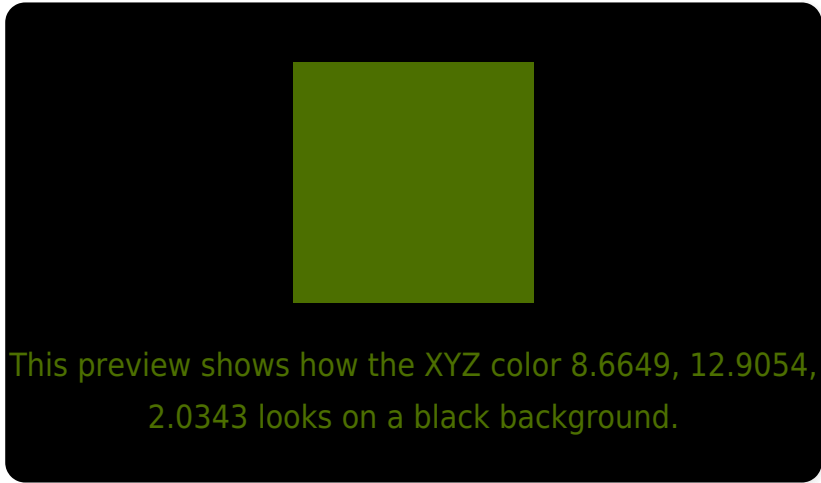
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

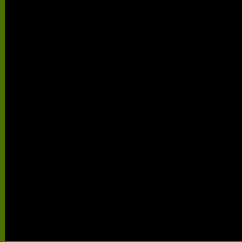
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.6649, 12.9054, 2.0343

Background



This preview shows how black text looks on a background with the XYZ color 8.6649, 12.9054, 2.0343.



This preview shows how white text looks on a background with the XYZ color 8.6649, 12.9054,

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

8.6649, 12.9054, 2.0343

Protanopia

11.4637, 12.8181, 1.8699

Deuteranopia

12.9800, 12.7506, 2.4865



Tritanopia

11.6500, 12.8744, 16.9099

Trichromacy



Original Color

8.6649, 12.9054, 2.0343

Protanomaly

10.3071, 12.8125, 1.9298

Deuteranomaly

10.9107, 12.5246, 2.2232

Tritanomaly

9.8586, 12.6020, 7.8741

Monochromacy



Original Color

8.6649, 12.9054, 2.0343

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

8.5528, 10.5361, 5.3243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.6649, 12.9054, 2.0343 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(76, 111, 0)` looks like.

```
.text, #text, p{  
    color:rgb(76, 111, 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(76, 111, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 111, 0) }
```

Border

The CSS property to change the border of an element to XYZ 8.6649, 12.9054, 2.0343 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(76, 111, 0) }
```


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

```
.border{ border-color:rgb(76, 111, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 111, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 111, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 111, 0);  
box-shadow:4px 4px 4px 4px rgb(76, 111, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 8.6649, 12.9054, 2.0343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 111, 0) }
```

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

```
.background{ background-color: rgb(76, 111,  
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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