

Converting Colors

XYZ(12.9552, 21.0651, 3.3832)

Have a look what the booklet for
XYZ(12.9552, 21.0651, 3.3832)
contains.

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Color

**XYZ(12.8975, 21.0083,
3.3752)**

Conversions

Conversions Part 1

Format	Color
Hex	4F8E00
RGB	79, 142, 0
RGB Percent	31%, 56%, 0%
CMY	0.6902, 0.4431, 1.0000
CMYK	0.44, 0.00, 1.00, 0.44
HSL	87°, 100%, 28%
HSV	87°, 100%, 56%
XYZ	12.8975, 21.0083, 3.3752
YIQ	106.9750, 8.0340, -57.5180

Conversions

Conversions Part 2

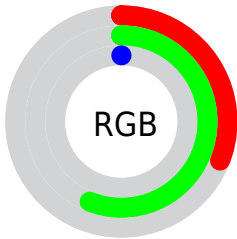
Format	Color
RYB	0, 142, 63
Decimal	5213696
CIELab	52.96, -40.30, 56.07
CIElCh	53, 69.048, 125.707
Yxy	21.0083, 0.3460, 0.5635
Android (android.graphics.Color)	4283403776 (0xFF4F8E00)
YUV	106.9750, -52.7387, -24.5341
Hunter-Lab	45.8348, -29.9826, 27.7184

Details

The XYZ color **12.8975, 21.0083, 3.3752** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.9335, 3.0104, 25.8080**, and the grayscale version is **14.1092, 14.8439, 16.1650**.

A 20% lighter version of the original color is **30.6148, 44.9655, 12.5345**, and **4.0296, 7.6309, 1.2605** is the 20% darker color. If you saturate the color by 10%, you get **12.8976, 21.0090, 3.3754**, and if you desaturate by 10%, it is **13.5279, 21.3246, 3.8260**.

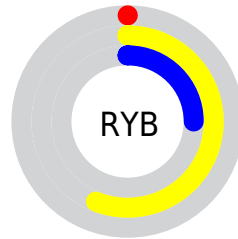
Distribution



Red (31%)

Green (56%)

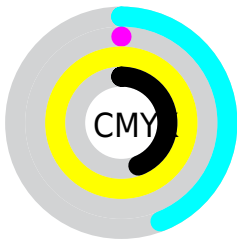
Blue (0%)



Red (0%)

Yellow (56%)

Blue (25%)

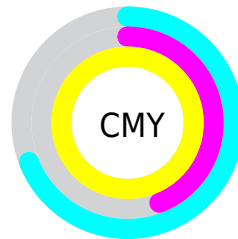


Cyan (44%)

Magenta (0%)

Yellow (100%)

Black (44%)



Cyan (69%)

Magenta (44%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.8975, 21.0083, 3.3752 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 12.8975, 21.0083, 3.3752 by changing the saturation by 10% instead.

■ 12.8975, 21.0083,
3.3752

■ 12.8975, 21.0083,
3.3752

203.9106,
257.3226, 141.0046

■ 7.4345, 13.1301,
1.2893

■ 30.7224, 45.1013,
12.5410

■ 3.7840, 7.5182,
0.0530

■ 43.8150, 62.0850,
20.4580

■ 1.5807, 3.7882,
0.0000

■ 60.1816, 82.8725,
31.1557

■ 0.3798, 1.5558,
0.0000

■ 80.1874, 107.8483,
45.0527


■ 0.0000, 0.3275,
0.0000


■ 104.1979,
137.3968, 62.5676


■ 0.0000, 0.0000,
0.0000


■ 132.5783,


171.9025, 84.1188


 165.6941,
211.7496, 110.1250


 12.8975, 21.0083,
3.3752


 12.8975, 21.0083,
3.3752


 12.8976, 21.0090,
3.3754

 13.5279, 21.3246,
3.8260

 14.2619, 21.6876,
4.5589

 15.1289, 22.1097,
5.7184

 16.1398, 22.5957,
7.3569

 17.3044, 23.1494,
9.5193

■ 18.6314, 23.7745,
12.2453

■ 20.1287, 24.4744,
15.5709

■ 21.8037, 25.2520,
19.5289

■ 23.6631, 26.1102,
24.1499

Harmonies

Analogous

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



18.6157, 21.0083, 1.7206



12.8975, 21.0083, 3.3752



9.7804, 21.0083, 10.0841

Triad

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



12.8975, 21.0083, 3.3752



14.7725, 21.0083, 81.8182



37.2615, 21.0083, 19.1360

Complementary

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



12.8975, 21.0083, 3.3752



6.9335, 3.0104, 25.8080

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.



35.5260, 21.0083, 43.4995



12.8975, 21.0083, 3.3752



21.3837, 21.0083, 89.8596

Square

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



12.8975, 21.0083, 3.3752



10.6656, 21.0083, 54.9087



29.2403, 21.0083, 72.8952



33.5328, 21.0083, 6.6078

Rectangle

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



12.8975, 21.0083, 3.3752



9.0576, 21.0083, 20.0189



29.2403, 21.0083, 72.8952



37.3069, 21.0083, 25.9894

Sweetspot

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



12.8980, 21.0092, 3.3757



35.3181, 43.0747, 27.0548



12.8536, 9.1465, 1.0883



7.6644, 9.5164, 5.5369



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



12.8980, 21.0092, 3.3757



22.5525, 36.9478, 5.9430



9.7921, 19.4081, 3.2303



5.6117, 6.1680, 5.7841



11.6010, 18.8731, 3.0314



0.1363, 0.1935, 0.0302

Inverse Universe

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



6.9335, 3.0104, 25.8080



12.0430, 5.2138, 45.4995



14.4827, 6.9022, 26.1613



5.3425, 5.3647, 6.7827



6.2452, 2.7131, 23.1716



0.0844, 0.0387, 0.2227

Previews

White Background



This preview shows how the XYZ color 12.8975, 21.0083, 3.3752 looks on a white background.

Color Contrast Check

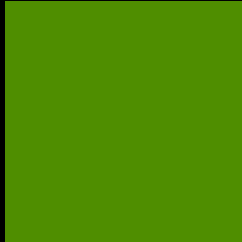
Large Text (above 18pt) WCAG AA ✓ Pass

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 12.8975, 21.0083, 3.3752 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 12.8975, 21.0083, 3.3752

Background



This preview shows how black text looks on a background with the XYZ color 12.8975, 21.0083, 3.3752.



This preview shows how white text looks on a background with the XYZ color 12.8975, 21.0083,

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

12.8975, 21.0083, 3.3752

Protanopia

18.6162, 20.6725, 3.0090

Deuteranopia

20.9191, 20.5515, 4.0267



Tritanopia

18.0331, 20.9725, 29.0843

Trichromacy



Original Color

12.8975, 21.0083, 3.3752

Protanomaly

15.8590, 20.4245, 3.1065

Deuteranomaly

16.7518, 19.8895, 3.5284

Tritanomaly

14.9089, 20.5373, 13.0758

Monochromacy



Original Color

12.8975, 21.0083, 3.3752

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

12.6896, 16.3917, 7.9639

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.8975, 21.0083, 3.3752 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(79, 142, 0)` looks like.

```
.text, #text, p{  
    color:rgb(79, 142, 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(79, 142, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 142, 0) }
```

Border

The CSS property to change the border of an element to XYZ 12.8975, 21.0083, 3.3752 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(79, 142, 0) }
```


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

```
.border{ border-color:rgb(79, 142, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 142, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 142, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 142, 0);  
box-shadow:4px 4px 4px 4px rgb(79, 142, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 12.8975, 21.0083, 3.3752 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 142, 0) }
```

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

```
.background{ background-color: rgb(79, 142,  
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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