

Converting Colors

XYZ(29.9997, 41.6190, 11.8530)

Have a look what the booklet for
XYZ(29.9997, 41.6190, 11.8530)
contains.

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Color

**XYZ(30.1414, 41.7976,
11.9480)**

Conversions

Conversions Part 1

Format	Color
Hex	8FBB44
RGB	143, 187, 68
RGB Percent	56%, 73%, 27%
CMY	0.4392, 0.2667, 0.7333
CMYK	0.24, 0.00, 0.64, 0.27
HSL	82°, 47%, 50%
HSV	82°, 64%, 73%
XYZ	30.1414, 41.7976, 11.9480
YIQ	160.2780, 11.9750, -46.3370

Conversions

Conversions Part 2

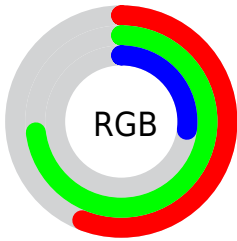
Format	Color
RYB	68, 187, 112
Decimal	9419588
CIELab	70.73, -32.87, 53.79
CIElCh	71, 63.037, 121.434
Yxy	41.7976, 0.3593, 0.4983
Android (android.graphics.Color)	4287609668 (0xFF8FBB44)
YUV	160.2780, -45.4931, -15.1528
Hunter-Lab	64.6511, -29.9197, 34.2985

Details

The XYZ color **30.1414, 41.7976, 11.9480** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **17.7206, 11.1680, 48.2377**, and the grayscale version is **33.7426, 35.4998, 38.6593**.

A 20% lighter version of the original color is **59.0550, 77.6238, 29.9595**, and **12.6668, 19.1828, 3.1499** is the 20% darker color. If you saturate the color by 10%, you get **28.4991, 41.0081, 9.3527**, and if you desaturate by 10%, it is **32.0415, 42.7017, 15.5071**.

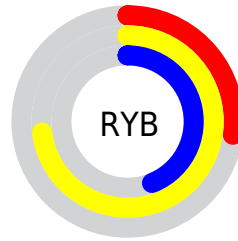
Distribution



Red (56%)

Green (73%)

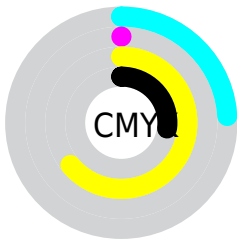
Blue (27%)



Red (27%)

Yellow (73%)

Blue (44%)

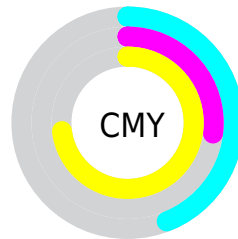


Cyan (24%)

Magenta (0%)

Yellow (64%)

Black (27%)



Cyan (44%)


Magenta (27%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 30.1414, 41.7976, 11.9480 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 30.1414, 41.7976, 11.9480 by changing the saturation by 10% instead.


 30.1414, 41.7976,
11.9480


 30.1414, 41.7976,
11.9480


294.4610,
353.6432, 215.0264

 20.0945, 28.9428,
6.5862


 59.2708, 77.8932,
30.0633


 12.5725, 19.0376,
3.1302

 79.0841, 101.9028,
43.6539


 7.2098, 11.6974,
1.1615


 102.8835,
130.3996, 60.8245

 3.6411, 6.5380,
0.0000

 131.0345,
163.7678, 81.9937

 1.5012, 3.1749,
0.0000

 163.9024,
202.3918, 107.5799

 0.3266, 1.2237,
0.0000

201.8526,

 0.0000, 0.0809,

246.6562, 138.0017

0.0000

245.2503,
296.9452, 173.6777

■ 0.0000, 0.0000,
0.0000

■ 30.1414, 41.7976,
11.9480

■ 30.1414, 41.7976,
11.9480

■ 28.4991, 41.0081,
9.3527

■ 32.0415, 42.7017,
15.5071

■ 27.0924, 40.3197,
7.6236

■ 34.2134, 43.7217,
20.1098

■ 25.8991, 39.7249,
6.6474

■ 36.6733, 44.8657,
25.8307

■ 25.2225, 39.3837,
6.2725

■ 39.4351, 46.1395,
32.7368

■ 42.5118, 47.5483,
40.8898

■ 45.9153, 49.0972,
50.3470

■ 49.6572, 50.7906,
61.1625

■ 53.7481, 52.6332,
73.3869

■ 58.1982, 54.6291,
87.0685

Harmonies

Analogous

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



39.2266, 41.7976, 8.8147



30.1414, 41.7976, 11.9480



24.5622, 41.7976, 23.1642

Triad

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



30.1414, 41.7976, 11.9480



30.8718, 41.7976, 117.0831



63.3943, 41.7976, 44.0854

Complementary

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



30.1414, 41.7976, 11.9480



17.7206, 11.1680, 48.2377

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.



60.1203, 41.7976, 78.9518



30.1414, 41.7976, 11.9480



40.2324, 41.7976, 130.7002

Square

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



30.1414, 41.7976, 11.9480



24.9289, 41.7976, 82.6084



51.1566, 41.7976, 114.3997



59.4598, 41.7976, 21.6101

Rectangle

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



30.1414, 41.7976, 11.9480



22.9844, 41.7976, 37.4647



51.1566, 41.7976, 114.3997



63.0973, 41.7976, 54.6328

Sweetspot

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



30.1424, 41.7995, 11.9489



72.9388, 83.6934, 64.6676



27.2923, 22.4912, 8.3722



15.7211, 18.2742, 13.3468



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



30.1424, 41.7995, 11.9489



50.0872, 72.9782, 15.4680



22.4593, 37.8387, 11.5893



9.9709, 10.9394, 10.1626



17.4594, 27.1765, 4.3254



0.7538, 1.1005, 0.1727

Inverse Universe

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



17.7206, 11.1680, 48.2377



26.2215, 13.9185, 85.5059



27.8620, 16.3961, 48.7123



9.3408, 9.3925, 11.9928



7.9521, 3.3855, 32.6273



0.3843, 0.1702, 1.2814

Previews

White Background



This preview shows how the XYZ color 30.1414, 41.7976, 11.9480 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 30.1414, 41.7976, 11.9480 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 30.1414, 41.7976, 11.9480

Background



This preview shows how black text looks on a background with the XYZ color 30.1414, 41.7976, 11.9480.



This preview shows how white text looks on a background with the XYZ color 30.1414, 41.7976,

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

30.1414, 41.7976, 11.9480

Protanopia

37.8613, 41.5948, 10.8836

Deuteranopia

42.2770, 41.3551, 12.4107



Tritanopia

38.6158, 41.6032, 54.1391

Trichromacy



Original Color

30.1414, 41.7976, 11.9480

Protanomaly

34.5537, 41.3364, 11.1586

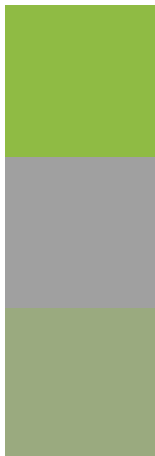
Deuteranomaly

36.6613, 40.6643, 12.0476

Tritanomaly

34.3678, 41.0568, 32.9014

Monochromacy



Original Color

30.1414, 41.7976, 11.9480

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

31.5319, 37.1518, 25.5878

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.1414, 41.7976, 11.9480 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(143, 187, 68)` looks like.

```
.text, #text, p{  
    color:rgb(143, 187, 68)  
}
```

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(143, 187, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 187, 68) }
```

Border

The CSS property to change the border of an element to XYZ 30.1414, 41.7976, 11.9480 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(143, 187, 68) }
```


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

```
.border{ border-color:rgb(143, 187, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 187, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 187, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 187, 68);  
box-shadow:4px 4px 4px 4px rgb(143, 187,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 30.1414, 41.7976, 11.9480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 187, 68) }
```

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

```
.background{ background-color: rgb(143,  
187, 68) }
```

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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