

Converting Colors

XYZ(29.7008, 43.0494, 6.7440)

Have a look what the booklet for
XYZ(29.7008, 43.0494, 6.7440)
contains.

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Color

**XYZ(29.6153, 42.9243,
6.7243)**

Conversions

Conversions Part 1

Format	Color
Hex	8DBF00
RGB	141, 191, 0
RGB Percent	55%, 75%, 0%
CMY	0.4471, 0.2510, 0.9999
CMYK	0.26, 0.00, 1.00, 0.25
HSL	76°, 100%, 37%
HSV	76°, 100%, 75%
XYZ	29.6153, 42.9243, 6.7243
YIQ	154.2760, 31.5110, -70.0010

Conversions

Conversions Part 2

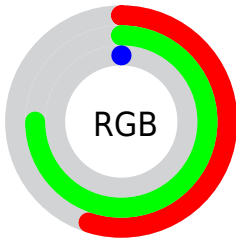
Format	Color
RYB	0, 191, 50
Decimal	9289472
CIELab	71.50, -38.20, 71.81
CIELCh	72, 81.341, 118.010
Yxy	42.9243, 0.3736, 0.5415
Android (android.graphics.Color)	4287479552 (0xFF8DBF00)
YUV	154.2760, -76.0581, -11.6431
Hunter-Lab	65.5166, -33.9673, 39.7764

Details

The XYZ color **29.6153, 42.9243, 6.7243** is a dark color, and the websafe version is hex **99CC00**. A complement of this color would be **10.7213, 4.4409, 49.5848**, and the grayscale version is **31.1529, 32.7753, 35.6923**.

A 20% lighter version of the original color is **58.5686, 79.8561, 19.9163**, and **12.6018, 19.7761, 3.1530** is the 20% darker color. If you saturate the color by 10%, you get **29.6153, 42.9257, 6.7246**, and if you desaturate by 10%, it is **30.6045, 43.4220, 7.3897**.

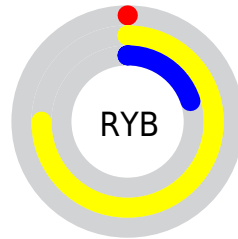
Distribution



Red (55%)

Green (75%)

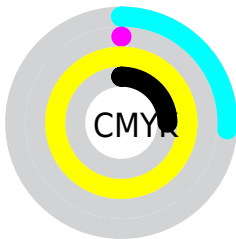
Blue (0%)



Red (0%)

Yellow (75%)

Blue (20%)

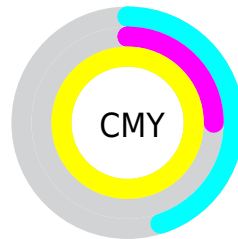


Cyan (26%)

Magenta (0%)

Yellow (100%)

Black (25%)



Cyan (45%)


Magenta (25%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 29.6153, 42.9243, 6.7243 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 29.6153, 42.9243, 6.7243 by changing the saturation by 10% instead.


 29.6153, 42.9243,
6.7243


 29.6153, 42.9243,
6.7243


292.0493,
358.3004, 174.8959

 19.6934, 29.8257,
3.2145


 58.4441, 79.5966,
19.9197

 12.2793, 19.7063,
1.2052


 78.0817, 103.9391,
30.4424


 7.0078, 12.1818,
0.0000


 101.6885,
132.7984, 44.1398

 3.5133, 6.8676,
0.0000

 129.6300,
166.5589, 61.4304

 1.4307, 3.3794,
0.0000

 162.2714,
205.6049, 82.7327

 0.2779, 1.3329,
0.0000

 199.9782,

 0.0000, 0.1665,

250.3209, 108.4654

0.0000

243.1157,
301.0913, 139.0469

■ 0.0000, 0.0000,
0.0000

■ 29.6153, 42.9243,
6.7243

■ 29.6153, 42.9243,
6.7243

■ 29.6153, 42.9257,
6.7246

■ 30.6045, 43.4220,
7.3897

■ 31.7480, 43.9843,
8.6690

■ 33.0891, 44.6303,
10.7836

■ 34.6496, 45.3686,
13.8454

■ 36.4479, 46.2067,
17.9491

■ 38.5004, 47.1512,
23.1779

■ 40.8215, 48.2079,
29.6065

■ 43.4247, 49.3822,
37.3035

■ 46.3226, 50.6793,
46.3319

Harmonies

Analogous

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



41.7219, 42.9243, 4.5840



29.6153, 42.9243, 6.7243



22.2561, 42.9243, 17.0384

Triad

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



29.6153, 42.9243, 6.7243



28.3511, 42.9243, 144.6406



73.2725, 42.9243, 49.4124

Complementary

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



29.6153, 42.9243, 6.7243



10.7213, 4.4409, 49.5848

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.



67.5302, 42.9243, 99.3148



29.6153, 42.9243, 6.7243



39.8883, 42.9243, 170.3082

Square

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



29.6153, 42.9243, 6.7243



21.6496, 42.9243, 91.9861



54.4921, 42.9243, 150.2886



68.8212, 42.9243, 19.4662

Rectangle

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



29.6153, 42.9243, 6.7243



20.0421, 42.9243, 32.7257



54.4921, 42.9243, 150.2886



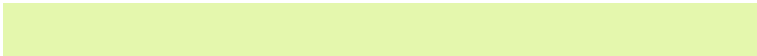
72.4482, 42.9243, 64.2670

Sweetspot

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



29.6163, 42.9262, 6.7252



72.8947, 86.2396, 52.4127



22.5345, 13.1718, 1.3553



15.6063, 18.7555, 10.3808



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



29.6163, 42.9262, 6.7252



52.7983, 76.7525, 12.0320



19.8398, 37.8862, 6.2677



10.0718, 10.9914, 10.1674



19.5405, 28.2494, 4.4228



0.8236, 1.1365, 0.1760

Inverse Universe

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



10.7213, 4.4409, 49.5848



19.0069, 7.8528, 88.7931



20.7771, 9.6249, 50.0554



9.2445, 9.3429, 11.9883



7.1104, 2.9516, 32.5879



0.3424, 0.1485, 1.2795

Previews

White Background



This preview shows how the XYZ color 29.6153, 42.9243, 6.7243 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 29.6153, 42.9243, 6.7243 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 29.6153, 42.9243, 6.7243

Background



This preview shows how black text looks on a background with the XYZ color 29.6153, 42.9243, 6.7243.

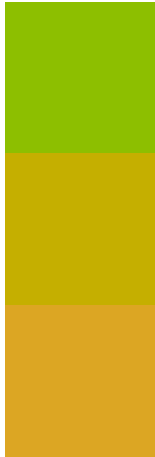


This preview shows how white text looks on a background with the XYZ color 29.6153, 42.9243,

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

29.6153, 42.9243, 6.7243

Protanopia

38.3559, 42.5303, 6.1876

Deuteranopia

43.4548, 42.6094, 7.5242



Tritanopia

39.5354, 42.9157, 56.0690

Trichromacy



Original Color

29.6153, 42.9243, 6.7243

Protanomaly

34.6553, 42.3949, 6.3565

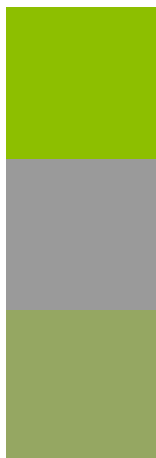
Deuteranomaly

36.9606, 41.7942, 6.8781

Tritanomaly

33.3952, 41.9475, 24.7489

Monochromacy



Original Color

29.6153, 42.9243, 6.7243

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

28.4177, 34.9088, 16.7956

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.6153, 42.9243, 6.7243 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(141, 191, 0)` looks like.

```
.text, #text, p{  
    color:rgb(141, 191, 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(141, 191, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 191, 0) }
```

Border

The CSS property to change the border of an element to XYZ 29.6153, 42.9243, 6.7243 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(141, 191, 0) }
```


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

```
.border{ border-color:rgb(141, 191, 0) }
```

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

Here you see how a box with a 4 pixel rgb(141, 191, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 191, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 191, 0);  
box-shadow:4px 4px 4px 4px rgb(141, 191,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 29.6153, 42.9243, 6.7243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 191, 0) }
```

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

```
.background{ background-color: rgb(141,  
191, 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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