

Converting Colors

XYZ(41.9583, 69.1168, 14.0891)

Have a look what the booklet for
XYZ(41.9583, 69.1168, 14.0891)
contains.

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Color

**XYZ(41.9650, 69.1482,
14.0409)**

Conversions

Conversions Part 1

Format	Color
Hex	83F331
RGB	131, 243, 49
RGB Percent	51%, 95%, 19%
CMY	0.4863, 0.0470, 0.8078
CMYK	0.46, 0.00, 0.80, 0.05
HSL	95°, 89%, 57%
HSV	95°, 80%, 95%
XYZ	41.9650, 69.1482, 14.0409
YIQ	187.3960, -4.4780, -84.0780

Conversions

Conversions Part 2

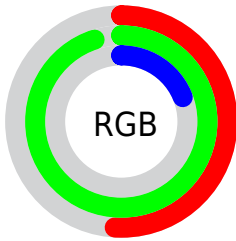
Format	Color
RYB	49, 243, 161
Decimal	8647473
CIELab	86.58, -61.41, 75.81
CIELCh	87, 97.566, 129.009
Yxy	69.1482, 0.3353, 0.5525
Android (android.graphics.Color)	4286837553 (0xFF83F331)
YUV	187.3960, -68.2292, -49.4593
Hunter-Lab	83.1554, -55.4406, 48.1976

Details

The XYZ color **41.9650, 69.1482, 14.0409** is a dark color, and the websafe version is hex **99FF33**. The color can be described as middle washed chartreuse. A complement of this color would be **31.9780, 16.2474, 86.2485**, and the grayscale version is **47.8356, 50.3267, 54.8058**.

A 20% lighter version of the original color is **60.4229, 83.8963, 28.3382**, and **19.8057, 36.2761, 5.9581** is the 20% darker color. If you saturate the color by 10%, you get **39.5564, 67.9528, 11.9347**, and if you desaturate by 10%, it is **44.9472, 70.6117, 17.6178**.

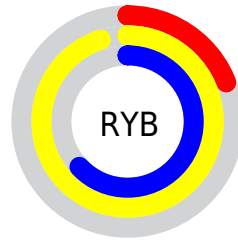
Distribution



Red (51%)

Green (95%)

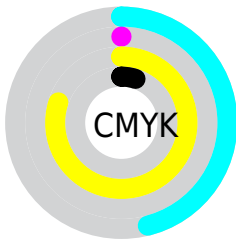
Blue (19%)



Red (19%)

Yellow (95%)

Blue (63%)

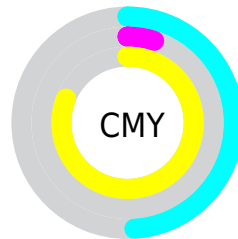


Cyan (46%)

Magenta (0%)

Yellow (80%)

Black (5%)



Cyan (49%)


Magenta (5%)


Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9650, 69.1482, 14.0409 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 41.9650, 69.1482, 14.0409 by changing the saturation by 10% instead.


 41.9650, 69.1482,
14.0409

 41.9650, 69.1482,
14.0409


345.3319,
457.5535, 228.9224

 29.2649, 50.8324,
8.0100


 77.4121, 117.9932,
33.8798


 19.4266, 36.0753,
4.0135


 100.8899,
149.2913, 48.5248


 12.0847, 24.4923,
1.6328


 128.6909,
185.6855, 66.8784

 6.8740, 15.6992,
0.3140

 161.1804,
227.5603, 89.3590

 3.4291, 9.3116,
0.0000

 198.7240,
275.3001, 116.3851

 1.3845, 4.9450,
0.0000

241.6868,

 0.2452, 2.2150,

329.2893, 148.3754

0.0000

290.4344,
389.9123, 185.7483

■ 0.0000, 0.7282,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9650, 69.1482,
14.0409

■ 41.9650, 69.1482,
14.0409

■ 39.5564, 67.9528,
11.9347

■ 44.9472, 70.6117,
17.6178


■ 37.6408, 66.9850,
10.9572


■ 48.5482, 72.3556,
22.8663


■ 37.6116, 66.9701,
10.9442


■ 52.8128, 74.4015,
29.9608


■ 57.7797, 76.7659,
39.0524

 63.4841, 79.4641,
50.2767

 69.9585, 82.5101,
63.7574

 77.2334, 85.9172,
79.6088

 85.3375, 89.6977,
97.9373

 91.3420, 92.5841,
107.6640

Harmonies

Analogous

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



59.1433, 69.1482, 7.0986



41.9650, 69.1482, 14.0409



32.8962, 69.1482, 38.8935

Triad

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



41.9650, 69.1482, 14.0409



51.3368, 69.1482, 261.8334



118.7413, 69.1482, 57.4165

Complementary

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



41.9650, 69.1482, 14.0409



31.9780, 16.2474, 86.2485

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.



115.2881, 69.1482, 129.3305



41.9650, 69.1482, 14.0409



72.7740, 69.1482, 277.5934

Square

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



41.9650, 69.1482, 14.0409



37.3805, 69.1482, 184.1086



97.0891, 69.1482, 219.5531



105.6603, 69.1482, 20.9414

Rectangle

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



41.9650, 69.1482, 14.0409



31.1132, 69.1482, 73.1550



97.0891, 69.1482, 219.5531



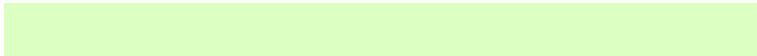
119.5294, 69.1482, 77.4674

Sweetspot

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



41.9666, 69.1512, 14.0424



74.8892, 90.5696, 64.4558



49.9063, 44.0531, 8.7795



15.4840, 19.1289, 12.6666



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



41.9666, 69.1512, 14.0424



42.7114, 75.0971, 12.5370



34.1870, 65.1045, 15.3137



16.9461, 18.8142, 17.5359



20.7879, 36.8294, 6.0131



1.9417, 3.2961, 0.5339

Inverse Universe

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



31.9780, 16.2474, 86.2485



31.0233, 14.0723, 95.6889



52.3556, 26.9702, 77.3621



16.4976, 16.3991, 20.8384



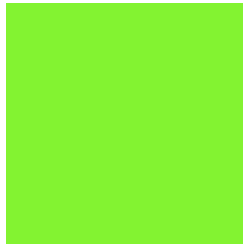
14.9997, 6.7069, 47.0420



1.4355, 0.6499, 4.1400

Previews

White Background



This preview shows how the XYZ color 41.9650, 69.1482, 14.0409 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 41.9650, 69.1482, 14.0409 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 41.9650, 69.1482, 14.0409

Background



This preview shows how black text looks on a background with the XYZ color 41.9650, 69.1482, 14.0409.



This preview shows how white text looks on a background with the XYZ color 41.9650, 69.1482,

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

41.9650, 69.1482, 14.0409

Protanopia

61.5917, 68.1561, 12.0997

Deuteranopia

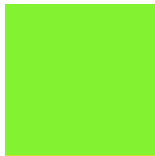
68.0990, 68.0930, 32.1083



Tritanopia

58.2234, 68.5014, 95.7413

Trichromacy



Original Color

41.9650, 69.1482, 14.0409



Protanomaly

52.0271, 67.1387, 12.6996



Deuteranomaly

54.8830, 66.3938, 22.7546



Tritanomaly

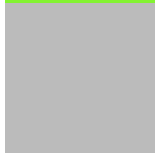
48.9771, 67.2144, 49.9275

Monochromacy



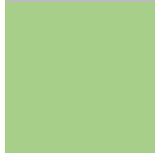
Original Color

41.9650, 69.1482, 14.0409



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.7645, 54.6473, 31.9610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9650, 69.1482, 14.0409 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(131, 243, 49)` looks like.

```
.text, #text, p{  
    color:rgb(131, 243, 49)  
}
```

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(131, 243, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 243, 49) }
```

Border

The CSS property to change the border of an element to XYZ 41.9650, 69.1482, 14.0409 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(131, 243, 49) }
```


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

```
.border{ border-color:rgb(131, 243, 49) }
```

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

Here you see how a box with a 4 pixel rgb(131, 243, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 243, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 243, 49);  
box-shadow:4px 4px 4px 4px rgb(131, 243,  
49) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9650, 69.1482, 14.0409 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 243, 49) }
```

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

```
.background{ background-color: rgb(131,  
243, 49) }
```

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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