

Converting Colors

XYZ(14.0458, 25.8067, 6.6401)

Have a look what the booklet for
XYZ(14.0458, 25.8067, 6.6401)
contains.

XYZ(14.0641, 25.8589, 6.6329)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(14.0641, 25.8589,
6.6329)**

Conversions

Conversions Part 1

Format	Color
Hex	2CA02C
RGB	44, 160, 44
RGB Percent	17%, 63%, 17%
CMY	0.8275, 0.3725, 0.8274
CMYK	0.73, 0.00, 0.72, 0.37
HSL	120°, 57%, 40%
HSV	120°, 73%, 63%
XYZ	14.0641, 25.8589, 6.6329
YIQ	112.0920, -31.9000, -60.6680

Conversions

Conversions Part 2

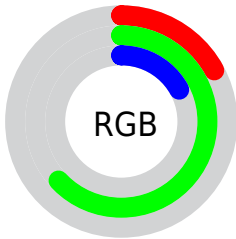
Format	Color
RYB	44, 160, 160
Decimal	2924588
CIELab	57.90, -54.09, 48.72
CIELCh	58, 72.797, 137.985
Yxy	25.8589, 0.3021, 0.5554
Android (android.graphics.Color)	4281114668 (0xFF2CA02C)
YUV	112.0920, -33.5694, -59.7167
Hunter-Lab	50.8516, -39.6224, 27.8626

Details

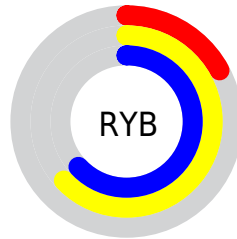
The XYZ color **14.0641, 25.8589, 6.6329** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.7435, 11.8132, 34.3911**, and the grayscale version is **15.5309, 16.3397, 17.7939**.

A 20% lighter version of the original color is **32.8979, 53.1629, 19.8368**, and **5.2577, 10.5154, 1.7526** is the 20% darker color. If you saturate the color by 10%, you get **13.2598, 25.4734, 5.3169**, and if you desaturate by 10%, it is **15.2505, 26.4296, 8.5731**.

Distribution



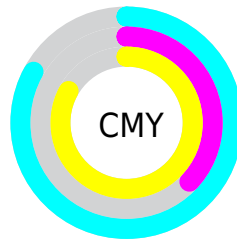
- Red (17%)
- Green (63%)
- Blue (17%)



- Red (17%)
- Yellow (63%)
- Blue (63%)



- Cyan (73%)
- Magenta (0%)
- Yellow (72%)
- Black (37%)





- Cyan (83%)
- Magenta (37%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.0641, 25.8589, 6.6329 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 14.0641, 25.8589, 6.6329 by changing the saturation by 10% instead.


 14.0641, 25.8589,
6.6329


 14.0641, 25.8589,
6.6329


211.1319,
282.0887, 174.0911


 8.2473, 16.7181,
3.1587


 32.7880, 53.0472,
19.7309


 4.3067, 10.0337,
1.1762


 46.4258, 71.8636,
30.1918

 1.8771, 5.4213,
0.0000

 63.4014, 94.6739,
43.8186

 0.5635, 2.4965,
0.0000

 84.0799, 121.8625,
61.0300

 0.0000, 0.8749,
0.0000

 108.8269,
153.8140, 82.2443

 0.0000, 0.0000,
0.0000

 138.0076,

190.9125, 107.8803

171.9875,
233.5427, 138.3564

■ 14.0641, 25.8589,
6.6329

■ 14.0641, 25.8589,
6.6329

■ 13.2598, 25.4734,
5.3169

■ 15.2505, 26.4296,
8.5731

■ 12.7893, 25.2473,
4.5471

■ 16.8565, 27.2010,
11.2000

■ 12.5713, 25.1426,
4.1906

■ 18.9169, 28.1907,
14.5703

■ 21.4627, 29.4136,
18.7344

■ 24.5219, 30.8831,
23.7382

■ 28.1206, 32.6117,
29.6244

■ 32.2829, 34.6111,
36.4325

■ 37.0316, 36.8921,
44.1997

■ 42.3882, 39.4652,
52.9611

Harmonies

Analogous

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



19.7336, 25.8589, 2.6802



14.0641, 25.8589, 6.6329



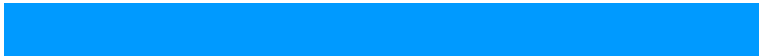
11.5063, 25.8589, 19.2579

Triad

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



14.0641, 25.8589, 6.6329



21.2348, 25.8589, 106.6460



44.3411, 25.8589, 15.7291

Complementary

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



14.0641, 25.8589, 6.6329



21.7435, 11.8132, 34.3911

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.



45.0177, 25.8589, 39.4433



14.0641, 25.8589, 6.6329



30.1569, 25.8589, 103.5158

Square

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



14.0641, 25.8589, 6.6329



14.9370, 25.8589, 81.3833



39.3435, 25.8589, 74.3817



37.6694, 25.8589, 5.3674

Rectangle

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



14.0641, 25.8589, 6.6329



11.3827, 25.8589, 35.4062



39.3435, 25.8589, 74.3817



45.3264, 25.8589, 21.9699

Sweetspot

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



14.0647, 25.8600, 6.6335



44.5691, 56.0948, 43.1756



27.5237, 32.7984, 7.2629



9.4487, 12.1458, 8.9359



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



14.0647, 25.8600, 6.6335



23.4819, 45.9655, 8.6831



16.0083, 26.6374, 16.8685



6.5508, 7.4011, 7.0690



9.7925, 19.5849, 3.2643



0.1751, 0.3502, 0.0584

Inverse Universe

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



21.7435, 11.8132, 34.3911



38.2391, 18.9702, 62.0281



17.7968, 10.2346, 13.6082



6.9042, 6.7546, 8.3465



16.2355, 7.7987, 26.5546



0.2903, 0.1394, 0.4748

Previews

White Background



This preview shows how the XYZ color 14.0641, 25.8589, 6.6329 looks on a white background.

Color Contrast Check

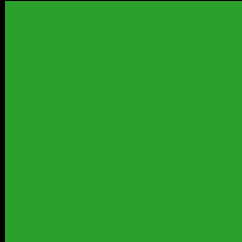
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.0641, 25.8589, 6.6329 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 14.0641, 25.8589, 6.6329

Background



This preview shows how black text looks on a background with the XYZ color 14.0641, 25.8589, 6.6329.



This preview shows how white text looks on a background with the XYZ color 14.0641, 25.8589,

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

14.0641, 25.8589, 6.6329

Protanopia

22.9559, 25.2855, 5.5044

Deuteranopia

25.8191, 25.2791, 7.1330



Tritanopia

20.2410, 25.6459, 37.6015

Trichromacy



Original Color

14.0641, 25.8589, 6.6329



Protanomaly

17.7321, 24.3558, 5.7740



Deuteranomaly

18.7280, 23.9450, 6.7667



Tritanomaly

16.8412, 25.2143, 21.1188

Monochromacy



Original Color

14.0641, 25.8589, 6.6329



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.5010, 18.4149, 11.8597

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.0641, 25.8589, 6.6329 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(44, 160, 44)` looks like.

```
.text, #text, p{  
    color:rgb(44, 160, 44)  
}
```

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(44, 160, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 160, 44) }
```

Border

The CSS property to change the border of an element to XYZ 14.0641, 25.8589, 6.6329 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(44, 160, 44) }
```


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

```
.border{ border-color:rgb(44, 160, 44) }
```

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

Here you see how a box with a 4 pixel rgb(44, 160, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 160, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 160, 44);  
box-shadow:4px 4px 4px 4px rgb(44, 160,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 14.0641, 25.8589, 6.6329 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 160, 44) }
```

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

```
.background{ background-color: rgb(44, 160,  
44) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor