

Converting Colors

XYZ(14.4642, 26.6986, 7.1429)

Have a look what the booklet for
XYZ(14.4642, 26.6986, 7.1429)
contains.

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Color

**XYZ(14.4087, 26.5463,
7.1608)**

Conversions

Conversions Part 1

Format	Color
Hex	2AA230
RGB	42, 162, 48
RGB Percent	16%, 64%, 19%
CMY	0.8353, 0.3647, 0.8118
CMYK	0.74, 0.00, 0.70, 0.36
HSL	123°, 59%, 40%
HSV	123°, 74%, 64%
XYZ	14.4087, 26.5463, 7.1608
YIQ	113.1240, -34.9260, -60.8940

Conversions

Conversions Part 2

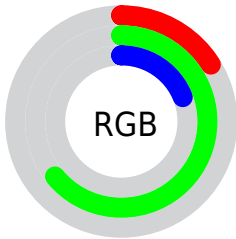
Format	Color
R_{YB}	42, 156, 162
Decimal	2794032
CIE _{Lab}	58.55, -54.74, 47.81
CIE _{LCh}	59, 72.680, 138.868
Yxy	26.5463, 0.2995, 0.5517
Android (android.graphics.Color)	4280984112 (0xFF2AA230)
YUV	113.1240, -32.1061, -62.3757
Hunter-Lab	51.5231, -40.2470, 27.8259

Details

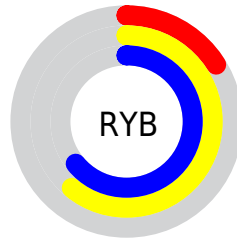
The XYZ color **14.4087, 26.5463, 7.1608** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **21.7297, 11.7381, 32.5733**, and the grayscale version is **15.8333, 16.6579, 18.1405**.

A 20% lighter version of the original color is **33.4351, 54.1887, 20.7538**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.6109, 26.1664, 5.7439**, and if you desaturate by 10%, it is **15.5858, 27.1106, 9.1719**.

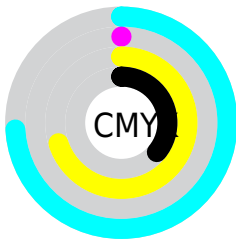
Distribution



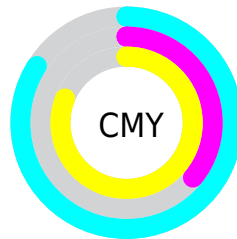
- Red (16%)
- Green (64%)
- Blue (19%)



- Red (16%)
- Yellow (61%)
- Blue (64%)



- Cyan (74%)
- Magenta (0%)
- Yellow (70%)
- Black (36%)



- Cyan (84%)
- Magenta (36%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.4087, 26.5463, 7.1608 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 14.4087, 26.5463, 7.1608 by changing the saturation by 10% instead.

■ 14.4087, 26.5463,
7.1608

■ 14.4087, 26.5463,
7.1608

213.2189,
285.4536, 178.6745

■ 8.4891, 17.2328,
3.4829

■ 33.3927, 54.1550,
20.8143

■ 4.4639, 10.4006,
1.3462

■ 47.1878, 73.2189,
31.6270

■ 1.9678, 5.6654,
0.0992

■ 64.3387, 96.3017,
45.6551

■ 0.6158, 2.6427,
0.0000

■ 85.2109, 123.7879,
63.3170

■ 0.0000, 0.9482,
0.0000

■ 110.1697,
156.0618, 85.0314

■ 0.0000, 0.0000,
0.0000

■ 139.5803,

193.5078, 111.2168

173.8083,
236.5102, 142.2916

■ 14.4087, 26.5463,
7.1608

■ 14.4087, 26.5463,
7.1608

■ 13.6109, 26.1664,
5.7439

■ 15.5858, 27.1106,
9.1719

■ 13.1440, 25.9448,
4.8546

■ 17.1794, 27.8749,
11.8308

■ 12.9652, 25.8595,
4.5407

■ 19.2243, 28.8570,
15.1873

■ 21.7513, 30.0716,
19.2856

■ 24.7884, 31.5324,
24.1664

■ 28.3613, 33.2518,
29.8674

■ 32.4942, 35.2415,
36.4240

■ 37.2098, 37.5126,
43.8694

■ 42.5293, 40.0753,
52.2350

Harmonies

Analogous

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



20.0902, 26.5463, 2.9052



14.4087, 26.5463, 7.1608



11.8856, 26.5463, 20.4336

Triad

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



14.4087, 26.5463, 7.1608



22.0682, 26.5463, 108.6381



45.1461, 26.5463, 15.7713

Complementary

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



14.4087, 26.5463, 7.1608



21.7297, 11.7381, 32.5733

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.



46.0328, 26.5463, 39.4422



14.4087, 26.5463, 7.1608



31.1826, 26.5463, 104.5521

Square

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



14.4087, 26.5463, 7.1608



15.5622, 26.5463, 83.7938



40.4475, 26.5463, 74.6401



38.2516, 26.5463, 5.4698

Rectangle

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



14.4087, 26.5463, 7.1608



11.8146, 26.5463, 37.1404



40.4475, 26.5463, 74.6401



46.2085, 26.5463, 21.9860

Sweetspot

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



14.4093, 26.5474, 7.1614



46.0048, 57.7263, 45.4787



27.0497, 33.0771, 7.1495



9.9857, 12.7982, 9.6593



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



14.4093, 26.5474, 7.1614



24.0863, 47.2058, 9.2593



16.5827, 27.4167, 18.6060



6.9992, 7.9005, 7.6078



10.2188, 20.3739, 3.6027



0.2188, 0.4297, 0.0971

Inverse Universe

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



21.7297, 11.7381, 32.5733



38.0504, 18.8442, 57.6509



17.8403, 10.1823, 12.0919



7.3490, 7.1960, 8.8240



16.3321, 7.8889, 24.7371



0.3475, 0.1675, 0.5426

Previews

White Background



This preview shows how the XYZ color 14.4087, 26.5463, 7.1608 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 14.4087, 26.5463, 7.1608 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

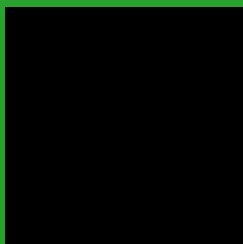
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.4087, 26.5463, 7.1608

Background



This preview shows how black text looks on a background with the XYZ color 14.4087, 26.5463, 7.1608.



This preview shows how white text looks on a background with the XYZ color 14.4087, 26.5463,

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

14.4087, 26.5463, 7.1608

Protanopia

23.7006, 26.0914, 5.9775

Deuteranopia

26.6068, 26.0792, 7.6344



Tritanopia

20.7479, 26.3501, 39.1145

Trichromacy



Original Color

14.4087, 26.5463, 7.1608



Protanomaly

18.1148, 25.0065, 6.2549



Deuteranomaly

19.2433, 24.6485, 7.2334



Tritanomaly

17.3485, 25.9378, 22.5045

Monochromacy



Original Color

14.4087, 26.5463, 7.1608



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.8500, 18.9801, 12.3848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.4087, 26.5463, 7.1608 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(42, 162, 48)` looks like.

```
.text, #text, p{  
    color:rgb(42, 162, 48)  
}
```

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(42, 162, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 162, 48) }
```

Border

The CSS property to change the border of an element to XYZ 14.4087, 26.5463, 7.1608 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(42, 162, 48) }
```


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

```
.border{ border-color:rgb(42, 162, 48) }
```

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

Here you see how a box with a 4 pixel rgb(42, 162, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 162, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 162, 48);  
box-shadow:4px 4px 4px 4px rgb(42, 162,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 14.4087, 26.5463, 7.1608 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 162, 48) }
```

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

```
.background{ background-color: rgb(42, 162,  
48) }
```

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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