

Converting Colors

XYZ(8.6439, 14.3691, 8.3233)

Have a look what the booklet for
XYZ(8.6439, 14.3691, 8.3233)
contains.

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Color

**XYZ(8.5814, 14.2629,
8.2620)**

Conversions

Conversions Part 1

Format	Color
Hex	247847
RGB	36, 120, 71
RGB Percent	14%, 47%, 28%
CMY	0.8588, 0.5294, 0.7216
CMYK	0.70, 0.00, 0.41, 0.53
HSL	145°, 54%, 31%
HSV	145°, 70%, 47%
XYZ	8.5814, 14.2629, 8.2620
YIQ	89.2980, -34.3350, -33.0470

Conversions

Conversions Part 2

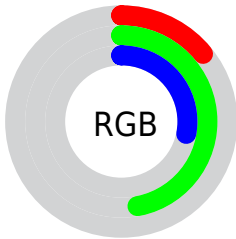
Format	Color
R_{YB}	36, 95, 120
Decimal	2390087
CIE _{Lab}	44.61, -36.93, 19.82
CIE _{LCh}	45, 41.917, 151.775
Yxy	14.2629, 0.2759, 0.4585
Android (android.graphics.Color)	4280580167 (0xFF247847)
YUV	89.2980, -9.0209, -46.7423
Hunter-Lab	37.7663, -25.5315, 13.4657

Details

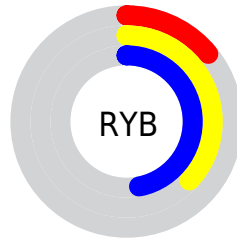
The XYZ color **8.5814, 14.2629, 8.2620** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **10.0168, 5.9111, 9.2082**, and the grayscale version is **9.5869, 10.0861, 10.9838**.

A 20% lighter version of the original color is **22.7474, 33.5185, 23.0401**, and **2.3766, 4.4549, 1.7119** is the 20% darker color. If you saturate the color by 10%, you get **8.0189, 13.9978, 7.1299**, and if you desaturate by 10%, it is **9.3110, 14.6120, 9.5377**.

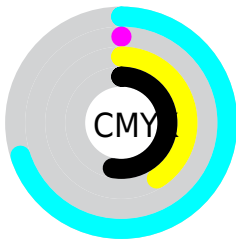
Distribution



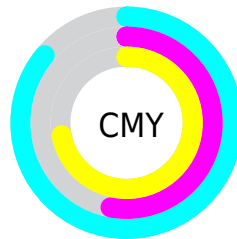
- Red (14%)
- Green (47%)
- Blue (28%)



- Red (14%)
- Yellow (37%)
- Blue (47%)



- Cyan (70%)
- Magenta (0%)
- Yellow (41%)
- Black (53%)





- Cyan (86%)
- Magenta (53%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.5814, 14.2629, 8.2620 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 8.5814, 14.2629, 8.2620 by changing the saturation by 10% instead.


 8.5814, 14.2629,
8.2620


 8.5814, 14.2629,
8.2620


174.4977,
218.8603, 187.7835


 4.5241, 8.3037,
4.1729


 22.7653, 33.5548,
23.0251


 2.0027, 4.2899,
1.7207

 33.6225, 47.6563,
34.5361


 0.6355, 1.8370,
0.3748

 47.4771, 65.2407,
49.3582

 0.0000, 0.5101,
0.0000

 64.6944, 86.6924,
67.9099

 0.0000, 0.0000,
0.0000

 85.6397, 112.3959,
90.6098

 110.6785,

142.7354, 117.8763

140.1761,
178.0954, 150.1280

■ 8.5814, 14.2629,
8.2620

■ 8.5814, 14.2629,
8.2620

■ 8.0189, 13.9978,
7.1299

■ 9.3110, 14.6120,
9.5377

■ 7.6069, 13.8070,
6.1351

■ 10.2202, 15.0501,
10.9611

■ 7.2925, 13.6637,
5.2707

■ 11.3214, 15.5840,
12.5371

■ 7.2924, 13.6637,
5.2705

■ 12.6255, 16.2193,
14.2703

■ 14.1428, 16.9611,
16.1650

■ 15.8825, 17.8142,
18.2252

■ 17.8535, 18.7830,
20.4550

■ 20.0643, 19.8718,
22.8582

■ 22.5226, 21.0845,
25.4385

Harmonies

Analogous

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



10.4024, 14.2629, 4.4442



8.5814, 14.2629, 8.2620



8.0242, 14.2629, 16.1158

Triad

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



8.5814, 14.2629, 8.2620



13.7595, 14.2629, 42.6999



19.8951, 14.2629, 7.6212

Complementary

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



8.5814, 14.2629, 8.2620



10.0168, 5.9111, 9.2082

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.



21.1808, 14.2629, 14.9583



8.5814, 14.2629, 8.2620



17.2912, 14.2629, 37.4513

Square

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



8.5814, 14.2629, 8.2620



10.6985, 14.2629, 38.5017



20.1572, 14.2629, 26.1513



16.8828, 14.2629, 4.1976

Rectangle

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



8.5814, 14.2629, 8.2620



8.3546, 14.2629, 23.5453



20.1572, 14.2629, 26.1513



20.5642, 14.2629, 9.5777

Sweetspot

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



8.5818, 14.2635, 8.2623



24.4441, 29.6203, 27.9062



10.9101, 15.5584, 4.0974



5.6492, 6.9493, 6.4362



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



8.5818, 14.2635, 8.2623



13.6345, 24.4007, 11.4511



10.3469, 14.9695, 17.5574



4.0137, 4.4751, 4.6060



7.9485, 14.9031, 5.7136



37.5111, 70.9275, 25.1274

Inverse Universe

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



10.0168, 5.9111, 9.2082



16.3230, 8.6553, 13.1505



8.8392, 5.4401, 3.0070



4.0872, 4.0506, 4.6567



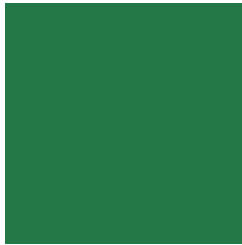
9.6491, 4.8358, 6.7090



45.5955, 22.8945, 29.7296

Previews

White Background



This preview shows how the XYZ color 8.5814, 14.2629, 8.2620 looks on a white 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

Black Background



This preview shows how the XYZ color 8.5814, 14.2629, 8.2620 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

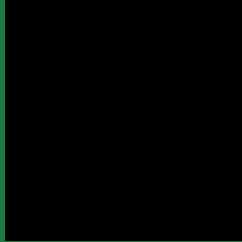
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.5814, 14.2629, 8.2620

Background



This preview shows how black text looks on a background with the XYZ color 8.5814, 14.2629, 8.2620.



This preview shows how white text looks on a background with the XYZ color 8.5814, 14.2629, 8.2620.

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

8.5814, 14.2629, 8.2620

Protanopia

12.9451, 14.0622, 7.0330

Deuteranopia

14.2704, 14.1142, 8.8097



Tritanopia

11.1680, 14.2769, 20.9060

Trichromacy



Original Color

8.5814, 14.2629, 8.2620

Protanomaly

10.4268, 13.5355, 7.3733

Deuteranomaly

11.0122, 13.4948, 8.5029

Tritanomaly

9.9630, 14.1186, 15.2968

Monochromacy



Original Color

8.5814, 14.2629, 8.2620

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

8.6059, 11.0256, 9.6572

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.5814, 14.2629, 8.2620 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(36, 120, 71)` looks like.

```
.text, #text, p{  
    color:rgb(36, 120, 71)  
}
```

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(36, 120, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 120, 71) }
```

Border

The CSS property to change the border of an element to XYZ 8.5814, 14.2629, 8.2620 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(36, 120, 71) }
```


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

```
.border{ border-color:rgb(36, 120, 71) }
```

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

Here you see how a box with a 4 pixel rgb(36, 120, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 120, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 120, 71);  
box-shadow:4px 4px 4px 4px rgb(36, 120,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 8.5814, 14.2629, 8.2620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 120, 71) }
```

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

```
.background{ background-color: rgb(36, 120,  
71) }
```

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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