

Converting Colors

XYZ(14.8150, 28.1538, 6.1235)

Have a look what the booklet for
XYZ(14.8150, 28.1538, 6.1235)
contains.

XYZ(14.7864, 28.1046, 6.0842)	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(14.7864, 28.1046,
6.0842)**

Conversions

Conversions Part 1

Format	Color
Hex	23A721
RGB	35, 167, 33
RGB Percent	14%, 65%, 13%
CMY	0.8627, 0.3451, 0.8706
CMYK	0.79, 0.00, 0.80, 0.35
HSL	119°, 67%, 39%
HSV	119°, 80%, 65%
XYZ	14.7864, 28.1046, 6.0842
YIQ	112.2560, -35.6580, -69.6580

Conversions

Conversions Part 2

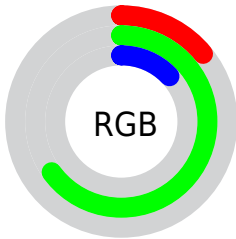
Format	Color
R_{YB}	33, 167, 165
Decimal	2336545
CIE _{Lab}	59.98, -58.60, 54.54
CIE _{LCh}	60, 80.057, 137.054
Yxy	28.1046, 0.3019, 0.5739
Android (android.graphics.Color)	4280526625 (0xFF23A721)
YUV	112.2560, -39.0732, -67.7535
Hunter-Lab	53.0138, -42.9876, 30.3051

Details

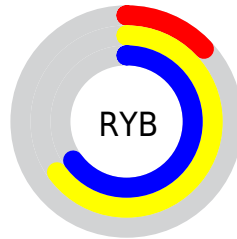
The XYZ color **14.7864, 28.1046, 6.0842** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **23.0379, 11.8783, 37.6392**, and the grayscale version is **15.5960, 16.4082, 17.8685**.

A 20% lighter version of the original color is **34.0165, 56.4999, 18.5639**, and **5.9051, 11.8103, 1.9684** is the 20% darker color. If you saturate the color by 10%, you get **14.1750, 27.8109, 5.1232**, and if you desaturate by 10%, it is **15.7769, 28.5820, 7.6698**.

Distribution



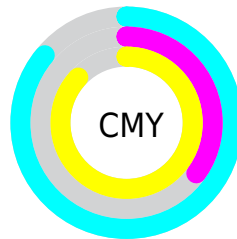
- Red (14%)
- Green (65%)
- Blue (13%)



- Red (13%)
- Yellow (65%)
- Blue (65%)



- Cyan (79%)
- Magenta (0%)
- Yellow (80%)
- Black (35%)





- Cyan (86%)
- Magenta (35%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7864, 28.1046, 6.0842 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 14.7864, 28.1046, 6.0842 by changing the saturation by 10% instead.


 14.7864, 28.1046,
6.0842


 14.7864, 28.1046,
6.0842


215.4838,
292.9664, 169.1524


 8.7550, 18.4045,
2.8267


 34.0528, 56.6514,
18.5861


 4.6375, 11.2408,
1.0069


 48.0184, 76.2669,
28.6676


 2.0687, 6.2290,
0.0000

 65.3595, 99.9564,
41.8608

 0.6721, 2.9848,
0.0000

 86.4413, 128.1041,
58.5844

 0.0000, 1.1238,
0.0000

 111.6293,
161.0946, 79.2568

 0.0000, 0.0000,
0.0000

 141.2888,

199.3122, 104.2966

175.7852,
243.1414, 134.1223

■ 14.7864, 28.1046,
6.0842

■ 14.7864, 28.1046,
6.0842

■ 14.1750, 27.8109,
5.1232

■ 15.7769, 28.5820,
7.6698

■ 13.8504, 27.6546,
4.6079

■ 17.1919, 29.2622,
9.9593

■ 19.0728, 30.1660,
13.0225

■ 21.4555, 31.3105,
16.9203

■ 24.3722, 32.7112,
21.7074

■ 27.8527, 34.3824,
27.4339

■ 31.9244, 36.3370,
34.1463

■ 36.6130, 38.5876,
41.8879

■ 41.9426, 41.1456,
50.6994

Harmonies

Analogous

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



21.3698, 28.1046, 2.1995



14.7864, 28.1046, 6.0842



11.8086, 28.1046, 19.6747

Triad

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



14.7864, 28.1046, 6.0842



22.5599, 28.1046, 124.3016



50.1572, 28.1046, 16.9211

Complementary

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



14.7864, 28.1046, 6.0842



23.0379, 11.8783, 37.6392

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.



50.7123, 28.1046, 44.9691



14.7864, 28.1046, 6.0842



32.8789, 28.1046, 121.6711

Square

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



14.7864, 28.1046, 6.0842



15.4658, 28.1046, 92.7742



43.7699, 28.1046, 86.9452



42.4046, 28.1046, 5.1662

Rectangle

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



14.7864, 28.1046, 6.0842



11.6068, 28.1046, 38.0201



43.7699, 28.1046, 86.9452



51.2503, 28.1046, 24.2161

Sweetspot

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



14.7871, 28.1058, 6.0848



47.1377, 60.2573, 44.6150



29.6253, 35.1530, 6.6630



10.0767, 13.2579, 9.2078



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



14.7871, 28.1058, 6.0848



24.9444, 49.5924, 8.5066



16.6405, 28.8395, 16.1882



7.4467, 8.4129, 8.0206



10.6018, 21.1627, 3.5260



0.2611, 0.5165, 0.0859

Inverse Universe

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



23.0379, 11.8783, 37.6392



40.2157, 19.4286, 67.1058



18.8911, 10.2679, 13.6184



7.8307, 7.6608, 9.4843



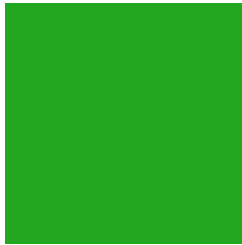
17.1377, 8.2182, 28.6585



0.4203, 0.2017, 0.6974

Previews

White Background



This preview shows how the XYZ color 14.7864, 28.1046, 6.0842 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 14.7864, 28.1046, 6.0842 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 14.7864, 28.1046, 6.0842

Background



This preview shows how black text looks on a background with the XYZ color 14.7864, 28.1046, 6.0842.



This preview shows how white text looks on a background with the XYZ color 14.7864, 28.1046,

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

14.7864, 28.1046, 6.0842

Protanopia

24.8690, 27.6027, 5.0540

Deuteranopia

27.9281, 27.4054, 6.6141



Tritanopia

21.9368, 28.1406, 41.3213

Trichromacy



Original Color

14.7864, 28.1046, 6.0842



Protanomaly

18.5202, 26.1900, 5.2415



Deuteranomaly

19.6222, 25.5539, 6.1837



Tritanomaly

17.8250, 27.4656, 21.8147

Monochromacy



Original Color

14.7864, 28.1046, 6.0842



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

13.4688, 19.0119, 11.1434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7864, 28.1046, 6.0842 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(35, 167, 33)` looks like.

```
.text, #text, p{  
    color:rgb(35, 167, 33)  
}
```

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(35, 167, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 167, 33) }
```

Border

The CSS property to change the border of an element to XYZ 14.7864, 28.1046, 6.0842 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(35, 167, 33) }
```


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

```
.border{ border-color:rgb(35, 167, 33) }
```

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

Here you see how a box with a 4 pixel rgb(35, 167, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 167, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 167, 33);  
box-shadow:4px 4px 4px 4px rgb(35, 167,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7864, 28.1046, 6.0842 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 167, 33) }
```

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

```
.background{ background-color: rgb(35, 167,  
33) }
```

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