

Converting Colors

XYZ(14.6442, 27.6814, 6.0203)

Have a look what the booklet for
XYZ(14.6442, 27.6814, 6.0203)
contains.

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Color

**XYZ(14.7101, 27.7943,
6.0284)**

Conversions

Conversions Part 1

Format	Color
Hex	26A621
RGB	38, 166, 33
RGB Percent	15%, 65%, 13%
CMY	0.8510, 0.3490, 0.8706
CMYK	0.77, 0.00, 0.80, 0.35
HSL	118°, 67%, 39%
HSV	118°, 80%, 65%
XYZ	14.7101, 27.7943, 6.0284
YIQ	112.5660, -33.5950, -68.4990

Conversions

Conversions Part 2

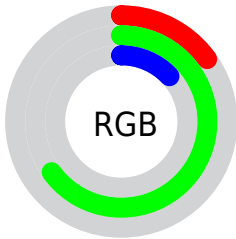
Format	Color
R_{YB}	33, 166, 161
Decimal	2532897
CIE Lab	59.70, -57.85, 54.29
CIE LCh	60, 79.341, 136.818
Yxy	27.7943, 0.3031, 0.5727
Android (android.graphics.Color)	4280722977 (0xFF26A621)
YUV	112.5660, -39.2260, -65.3944
Hunter-Lab	52.7203, -42.4552, 30.1246

Details

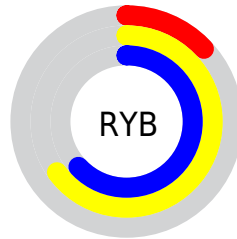
The XYZ color **14.7101, 27.7943, 6.0284** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **22.1267, 11.4192, 37.1157**, and the grayscale version is **15.6878, 16.5048, 17.9737**.

A 20% lighter version of the original color is **33.8683, 56.0280, 18.4806**, and **5.7942, 11.5883, 1.9314** is the 20% darker color. If you saturate the color by 10%, you get **14.0648, 27.4830, 5.0697**, and if you desaturate by 10%, it is **15.7242, 28.2841, 7.6039**.

Distribution



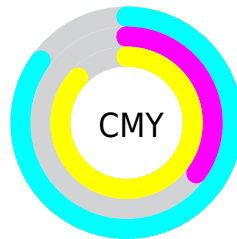
- Red (15%)
- Green (65%)
- Blue (13%)



- Red (13%)
- Yellow (65%)
- Blue (63%)



- Cyan (77%)
- Magenta (0%)
- Yellow (80%)
- Black (35%)





- Cyan (85%)
- Magenta (35%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 14.7101, 27.7943, 6.0284 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 14.7101, 27.7943, 6.0284 by changing the saturation by 10% instead.


 14.7101, 27.7943,
6.0284


 14.7101, 27.7943,
6.0284


215.0281,
291.4827, 168.6392


 8.7012, 18.1707,
2.7933


 33.9196, 56.1559,
18.4685


 4.6023, 11.0726,
0.9901


 47.8510, 75.6626,
28.5106


 2.0482, 6.1157,
0.0000

 65.1538, 99.2324,
41.6587

 0.6608, 2.9155,
0.0000

 86.1935, 127.2498,
58.3314

 0.0000, 1.0878,
0.0000

 111.3355,
160.0992, 78.9473

 0.0000, 0.0000,
0.0000

 140.9450,

198.1648, 103.9249

175.3874,
241.8312, 133.6827

■ 14.7101, 27.7943,
6.0284

■ 14.7101, 27.7943,
6.0284

■ 14.0648, 27.4830,
5.0697

■ 15.7242, 28.2841,
7.6039

■ 13.7148, 27.3138,
4.5492

■ 17.1488, 28.9697,
9.8742

■ 19.0221, 29.8703,
12.9076

■ 21.3776, 31.0016,
16.7640

■ 24.2453, 32.3782,
21.4971

■ 27.6529, 34.0132,
27.1563

■ 31.6263, 35.9189,
33.7872

■ 36.1895, 38.1068,
41.4324

■ 41.3651, 40.5877,
50.1319

Harmonies

Analogous

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



21.2251, 27.7943, 2.2122



14.7101, 27.7943, 6.0284



11.7464, 27.7943, 19.3419

Triad

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



14.7101, 27.7943, 6.0284



22.2624, 27.7943, 122.0759



49.4902, 27.7943, 16.9389

Complementary

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



14.7101, 27.7943, 6.0284



22.1267, 11.4192, 37.1157

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.



49.9728, 27.7943, 44.6738



14.7101, 27.7943, 6.0284



32.3947, 27.7943, 119.7933

Square

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



14.7101, 27.7943, 6.0284



15.3031, 27.7943, 90.9798



43.1080, 27.7943, 85.9183



41.9206, 27.7943, 5.2226

Rectangle

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



14.7101, 27.7943, 6.0284



11.5313, 27.7943, 37.2995



43.1080, 27.7943, 85.9183



50.5431, 27.7943, 24.1727

Sweetspot

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



14.7108, 27.7955, 6.0290



47.3851, 60.3848, 44.6266



28.4601, 33.1351, 6.3350



10.1363, 13.2886, 9.2106



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.



14.7108, 27.7955, 6.0290



25.0180, 49.6304, 8.5100



16.2335, 28.3847, 14.9454



7.4618, 8.4207, 8.0213



10.6438, 21.1843, 3.5280



0.2669, 0.5195, 0.0862

Inverse Universe

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



22.1267, 11.4192, 37.1157



38.8619, 18.7307, 67.0424



18.8801, 10.2392, 14.6591



7.8136, 7.6521, 9.4835



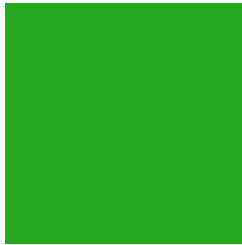
16.5519, 7.9163, 28.6311



0.4110, 0.1969, 0.6970

Previews

White Background



This preview shows how the XYZ color 14.7101, 27.7943, 6.0284 looks on a white background.

Color Contrast Check

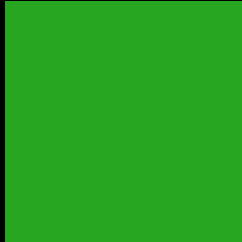
Large Text (above 18pt) WCAG AA ✓ Pass

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 14.7101, 27.7943, 6.0284 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 14.7101, 27.7943, 6.0284

Background



This preview shows how black text looks on a background with the XYZ color 14.7101, 27.7943, 6.0284.



This preview shows how white text looks on a background with the XYZ color 14.7101, 27.7943,

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

14.7101, 27.7943, 6.0284

Protanopia

24.7182, 27.3011, 5.0038

Deuteranopia

27.9281, 27.4054, 6.6141



Tritanopia

21.7570, 27.8105, 40.7805

Trichromacy



Original Color

14.7101, 27.7943, 6.0284



Protanomaly

18.4908, 25.9349, 5.1938



Deuteranomaly

19.7719, 25.6310, 6.1907



Tritanomaly

17.7181, 27.1610, 21.4483

Monochromacy



Original Color

14.7101, 27.7943, 6.0284



Achromatopsia

15.6958, 16.5132, 17.9829



Achromatomaly

13.6892, 19.1211, 11.3567

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7101, 27.7943, 6.0284 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(38, 166, 33)` looks like.

```
.text, #text, p{  
    color:rgb(38, 166, 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(38, 166, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 166, 33) }
```

Border

The CSS property to change the border of an element to XYZ 14.7101, 27.7943, 6.0284 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(38, 166, 33) }
```


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

```
.border{ border-color:rgb(38, 166, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 166, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 166, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 166, 33);  
box-shadow:4px 4px 4px 4px rgb(38, 166,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7101, 27.7943, 6.0284 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 166, 33) }
```

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

```
.background{ background-color: rgb(38, 166,  
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](#).

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