

Converting Colors

XYZ(13.8055, 26.7863, 6.0717)

Have a look what the booklet for
XYZ(13.8055, 26.7863, 6.0717)
contains.

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Color

**XYZ(13.8076, 26.7885,
6.1120)**

Conversions

Conversions Part 1

Format	Color
Hex	10A424
RGB	16, 164, 36
RGB Percent	6%, 64%, 14%
CMY	0.9373, 0.3569, 0.8588
CMYK	0.90, 0.00, 0.78, 0.36
HSL	128°, 82%, 35%
HSV	128°, 90%, 64%
XYZ	13.8076, 26.7885, 6.1120
YIQ	105.1560, -47.1200, -71.1840

Conversions

Conversions Part 2

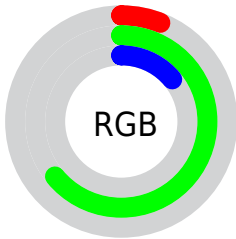
Format	Color
R_{YB}	16, 146, 164
Decimal	1090596
CIE _{Lab}	58.78, -59.48, 52.35
CIE _{LCh}	59, 79.233, 138.646
Yxy	26.7885, 0.2956, 0.5735
Android (android.graphics.Color)	4279280676 (0xFF10A424)
YUV	105.1560, -34.0939, -78.1898
Hunter-Lab	51.7576, -42.9566, 29.2288

Details

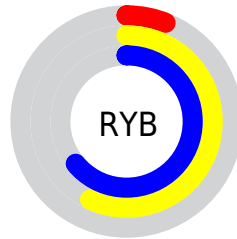
The XYZ color **13.8076, 26.7885, 6.1120** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.5298, 10.2770, 27.2868**, and the grayscale version is **13.5690, 14.2756, 15.5462**.

A 20% lighter version of the original color is **32.3054, 54.4285, 18.7006**, and **5.5759, 11.1519, 1.8586** is the 20% darker color. If you saturate the color by 10%, you get **13.4225, 26.6106, 5.1964**, and if you desaturate by 10%, it is **14.4640, 27.0975, 7.5070**.

Distribution



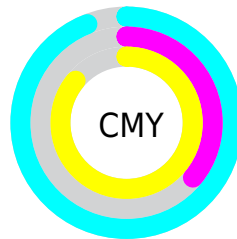
- Red (6%)
- Green (64%)
- Blue (14%)



- Red (6%)
- Yellow (57%)
- Blue (64%)



- Cyan (90%)
- Magenta (0%)
- Yellow (78%)
- Black (36%)





- Cyan (94%)
- Magenta (36%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.8076, 26.7885, 6.1120 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 13.8076, 26.7885, 6.1120 by changing the saturation by 10% instead.


 13.8076, 26.7885,
6.1120


 13.8076, 26.7885,
6.1120


209.5653,
286.6316, 169.4073


 8.0678, 17.4144,
2.8434


 32.3364, 54.5443,
18.6446


 4.1905, 10.5304,
1.0152


 45.8560, 73.6948,
28.7457

 1.8105, 5.7520,
0.0000

 62.6997, 96.8730,
41.9613

 0.5240, 2.6949,
0.0000

 83.2327, 124.4631,
58.7101

 0.0000, 0.9746,
0.0000

 107.8204,
156.8496, 79.4106

 0.0000, 0.0000,
0.0000

 136.8281,

194.4170, 104.4812

170.6213,
237.5495, 134.3406

■ 13.8076, 26.7885,
6.1120

■ 13.8076, 26.7885,
6.1120

■ 13.4225, 26.6106,
5.1964

■ 14.4640, 27.0975,
7.5070

■ 15.4691, 27.5745,
9.4133

■ 16.8645, 28.2408,
11.8748

■ 18.6854, 29.1138,
14.9302

■ 20.9631, 30.2088,
18.6147

■ 23.7257, 31.5396,
22.9608

■ 26.9992, 33.1191,
27.9986

■ 30.8079, 34.9590,
33.7566

■ 35.1741, 37.0704,
40.2615

Harmonies

Analogous

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



19.9176, 26.7885, 2.1258



13.8076, 26.7885, 6.1120



11.1325, 26.7885, 19.8107

Triad

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



13.8076, 26.7885, 6.1120



21.9412, 26.7885, 120.0399



47.7188, 26.7885, 15.1315

Complementary

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



13.8076, 26.7885, 6.1120



20.5298, 10.2770, 27.2868

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.



48.6647, 26.7885, 41.0871



13.8076, 26.7885, 6.1120



31.9494, 26.7885, 115.5505

Square

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



13.8076, 26.7885, 6.1120



14.9614, 26.7885, 91.0204



42.3175, 26.7885, 81.0775



39.9918, 26.7885, 4.5595

Rectangle

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



13.8076, 26.7885, 6.1120



11.0440, 26.7885, 38.0226



42.3175, 26.7885, 81.0775



48.9023, 26.7885, 21.8075

Sweetspot

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



13.8082, 26.7896, 6.1126



44.5958, 57.9859, 44.0506



24.9183, 32.5430, 5.4583



9.3586, 12.4884, 9.0239



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.



13.8082, 26.7896, 6.1126



24.3184, 48.2829, 9.1971



16.2898, 27.7822, 19.1804



7.0227, 7.9099, 7.7315



10.3021, 20.4072, 4.0414



0.2271, 0.4331, 0.1409

Inverse Universe

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



20.5298, 10.2770, 27.2868



36.5732, 17.8395, 47.5523



16.6098, 8.7090, 6.6444



7.3230, 7.1856, 8.6871



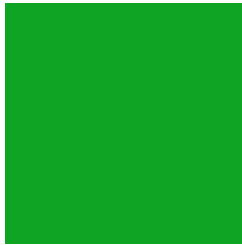
15.4857, 7.5503, 20.2800



0.3360, 0.1629, 0.4822

Previews

White Background



This preview shows how the XYZ color 13.8076, 26.7885, 6.1120 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 13.8076, 26.7885, 6.1120 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

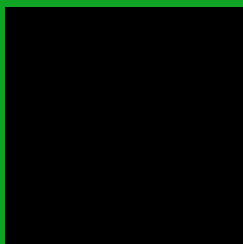
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.8076, 26.7885, 6.1120

Background



This preview shows how black text looks on a background with the XYZ color 13.8076, 26.7885, 6.1120.



This preview shows how white text looks on a background with the XYZ color 13.8076, 26.7885,

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

13.8076, 26.7885, 6.1120

Protanopia

23.8598, 26.4126, 5.0689

Deuteranopia

26.6424, 26.1193, 6.6549



Tritanopia

20.6370, 26.7643, 39.6756

Trichromacy



Original Color

13.8076, 26.7885, 6.1120



Protanomaly

16.9520, 24.6633, 5.2335



Deuteranomaly

17.7830, 23.9179, 6.1620



Tritanomaly

16.6424, 26.1001, 21.3002

Monochromacy



Original Color

13.8076, 26.7885, 6.1120



Achromatopsia

13.4271, 14.1263, 15.3836



Achromatomaly

11.6565, 16.9174, 10.2404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8076, 26.7885, 6.1120 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(16, 164, 36)` looks like.

```
.text, #text, p{  
    color:rgb(16, 164, 36)  
}
```

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(16, 164, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 164, 36) }
```

Border

The CSS property to change the border of an element to XYZ 13.8076, 26.7885, 6.1120 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(16, 164, 36) }
```


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

```
.border{ border-color:rgb(16, 164, 36) }
```

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

Here you see how a box with a 4 pixel rgb(16, 164, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 164, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 164, 36);  
box-shadow:4px 4px 4px 4px rgb(16, 164,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8076, 26.7885, 6.1120 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 164, 36) }
```

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

```
.background{ background-color: rgb(16, 164,  
36) }
```

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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