

Converting Colors

XYZ(13.4576, 26.2441, 6.5548)

Have a look what the booklet for
XYZ(13.4576, 26.2441, 6.5548)
contains.

XYZ(13.5151, 26.3616, 6.5665)	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(13.5151, 26.3616,
6.5665)**

Conversions

Conversions Part 1

Format	Color
Hex	00A32A
RGB	0, 163, 42
RGB Percent	0%, 64%, 16%
CMY	1.0000, 0.3608, 0.8353
CMYK	1.00, 0.00, 0.74, 0.36
HSL	135°, 100%, 32%
HSV	135°, 100%, 64%
XYZ	13.5151, 26.3616, 6.5665
YIQ	100.4690, -58.3070, -72.1870

Conversions

Conversions Part 2

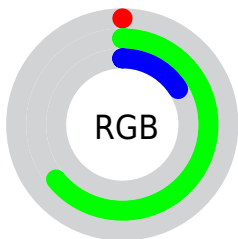
Format	Color
RYB	0, 130, 163
Decimal	41770
CIELab	58.38, -59.62, 49.81
CIELCh	58, 77.691, 140.126
Yxy	26.3616, 0.2910, 0.5676
Android (android.graphics.Color)	4278231850 (0xFF00A32A)
YUV	100.4690, -28.8252, -88.1113
Hunter-Lab	51.3435, -42.8649, 28.3577

Details

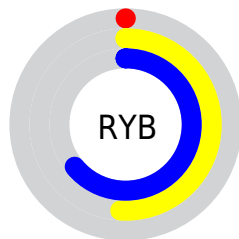
The XYZ color **13.5151, 26.3616, 6.5665** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **18.5560, 9.1673, 18.8801**, and the grayscale version is **12.3160, 12.9573, 14.1105**.

A 20% lighter version of the original color is **31.7115, 53.7134, 19.5228**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.5158, 26.3627, 6.5671**, and if you desaturate by 10%, it is **13.9849, 26.5756, 7.8955**.

Distribution



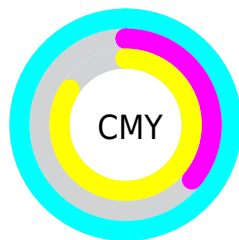
- Red (0%)
- Green (64%)
- Blue (16%)



- Red (0%)
- Yellow (51%)
- Blue (64%)



- Cyan (100%)
- Magenta (0%)
- Yellow (74%)
- Black (36%)





- Cyan (100%)
- Magenta (36%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.5151, 26.3616, 6.5665 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 13.5151, 26.3616, 6.5665 by changing the saturation by 10% instead.


 13.5151, 26.3616,
6.5665


 13.5151, 26.3616,
6.5665


207.7646,
284.5527, 173.5033


 7.8636, 17.0944,
3.1182


 31.8196, 53.8577,
19.5935


 4.0589, 10.3018,
1.1553


 45.2034, 72.8554,
30.0092


 1.7355, 5.5995,
0.0000

 61.8953, 95.8653,
43.5845

 0.4783, 2.6031,
0.0000

 82.2608, 123.2719,
60.7379

 0.0000, 0.9282,
0.0000

 106.6650,
155.4595, 81.8880

 0.0000, 0.0000,
0.0000

 135.4735,

192.8126, 107.4532

169.0516,
235.7155, 137.8521

■ 13.5151, 26.3616,
6.5665

■ 13.5151, 26.3616,
6.5665

■ 13.5158, 26.3627,
6.5671

■ 13.9849, 26.5756,
7.8955

■ 14.7017, 26.9080,
9.6048

■ 15.7457, 27.4004,
11.7240

■ 17.1538, 28.0713,
14.2775

■ 18.9576, 28.9364,
17.2879

■ 21.1852, 30.0099,
20.7763

■ 23.8620, 31.3044,
24.7622

■ 27.0114, 32.8316,
29.2644

■ 30.6552, 34.6023,
34.3002

Harmonies

Analogous

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



19.2964, 26.3616, 2.3007



13.5151, 26.3616, 6.5665



11.0537, 26.3616, 20.6544

Triad

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



13.5151, 26.3616, 6.5665



22.0602, 26.3616, 116.8764



46.3459, 26.3616, 14.2351

Complementary

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



13.5151, 26.3616, 6.5665



18.5560, 9.1673, 18.8801

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.



47.6269, 26.3616, 38.6111



13.5151, 26.3616, 6.5665



31.8606, 26.3616, 110.8319

Square

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



13.5151, 26.3616, 6.5665



15.0982, 26.3616, 90.2391



41.7965, 26.3616, 76.8203



38.6422, 26.3616, 4.3967

Rectangle

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



13.5151, 26.3616, 6.5665



11.0617, 26.3616, 38.8863



41.7965, 26.3616, 76.8203



47.6056, 26.3616, 20.4740

Sweetspot

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



13.5158, 26.3627, 6.5671



42.4445, 55.9216, 43.9242



21.1596, 30.3515, 4.7432



9.0826, 12.3418, 9.2017



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.



13.5158, 26.3627, 6.5671



24.1347, 47.1836, 11.3923



16.6263, 27.6069, 22.9468



7.0570, 7.9236, 7.9119



10.5201, 20.4944, 5.1894



0.2391, 0.4378, 0.2040

Inverse Universe

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



18.5560, 9.1673, 18.8801



33.1457, 16.3831, 33.3625



15.5008, 7.9452, 2.7917



7.2860, 7.1709, 8.4925



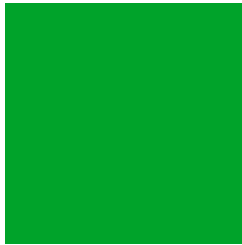
14.4400, 7.1320, 14.7734



0.3209, 0.1569, 0.4026

Previews

White Background



This preview shows how the XYZ color 13.5151, 26.3616, 6.5665 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 13.5151, 26.3616, 6.5665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

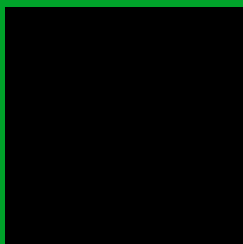
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.5151, 26.3616, 6.5665

Background



This preview shows how black text looks on a background with the XYZ color 13.5151, 26.3616, 6.5665.



This preview shows how white text looks on a background with the XYZ color 13.5151, 26.3616,

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

13.5151, 26.3616, 6.5665

Protanopia

23.6011, 26.0516, 5.4536

Deuteranopia

26.5089, 26.0401, 7.1191



Tritanopia

20.2438, 26.3301, 39.1372

Trichromacy



Original Color

13.5151, 26.3616, 6.5665



Protanomaly

16.1953, 24.0291, 5.6182



Deuteranomaly

17.1045, 23.5563, 6.6629



Tritanomaly

16.2749, 25.6466, 21.8618

Monochromacy



Original Color

13.5151, 26.3616, 6.5665



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.6086, 15.8204, 9.8917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5151, 26.3616, 6.5665 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(0, 163, 42)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 42)  
}
```

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(0, 163, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 42) }
```

Border

The CSS property to change the border of an element to XYZ 13.5151, 26.3616, 6.5665 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(0, 163, 42) }
```


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

```
.border{ border-color:rgb(0, 163, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 163, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 42);  
box-shadow:4px 4px 4px 4px rgb(0, 163, 42)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5151, 26.3616, 6.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 42) }
```

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

```
.background{ background-color: rgb(0, 163,  
42) }
```

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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