

Converting Colors

XYZ(13.0257, 25.9019, 4.8025)

Have a look what the booklet for
XYZ(13.0257, 25.9019, 4.8025)
contains.

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Color

**XYZ(13.0139, 25.8781,
4.7993)**

Conversions

Conversions Part 1

Format	Color
Hex	00A210
RGB	0, 162, 16
RGB Percent	0%, 64%, 6%
CMY	1.0000, 0.3647, 0.9372
CMYK	1.00, 0.00, 0.90, 0.36
HSL	126°, 100%, 32%
HSV	126°, 100%, 64%
XYZ	13.0139, 25.8781, 4.7993
YIQ	96.9180, -49.6860, -79.7500

Conversions

Conversions Part 2

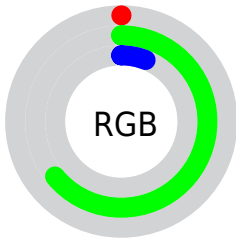
Format	Color
RYB	0, 147, 162
Decimal	41488
CIELab	57.92, -60.92, 56.80
CIELCh	58, 83.292, 137.003
Yxy	25.8781, 0.2979, 0.5923
Android (android.graphics.Color)	4278231568 (0xFF00A210)
YUV	96.9180, -39.8926, -84.9971
Hunter-Lab	50.8705, -43.3588, 30.0157

Details

The XYZ color **13.0139, 25.8781, 4.7993** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **20.0889, 9.7569, 28.0167**, and the grayscale version is **11.4468, 12.0429, 13.1147**.

A 20% lighter version of the original color is **30.8602, 52.9682, 15.8051**, and **5.4686, 10.9373, 1.8229** is the 20% darker color. If you saturate the color by 10%, you get **13.0144, 25.8791, 4.7998**, and if you desaturate by 10%, it is **13.3803, 26.0506, 5.5926**.

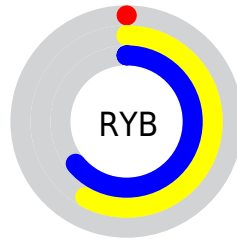
Distribution



Red (0%)

Green (64%)

Blue (6%)



Red (0%)

Yellow (58%)

Blue (64%)

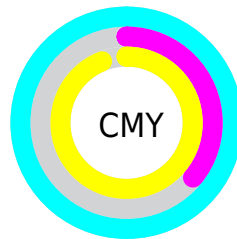


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (36%)



Cyan (100%)


Magenta (36%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.0139, 25.8781, 4.7993 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 13.0139, 25.8781, 4.7993 by changing the saturation by 10% instead.


 13.0139, 25.8781,
4.7993


 13.0139, 25.8781,
4.7993


204.6425,
282.1832, 156.7337


 7.5152, 16.7325,
2.0733


 30.9299, 53.0782,
15.8148


 3.8355, 10.0439,
0.5998


 44.0778, 71.9015,
24.9415

 1.6095, 5.4281,
0.0000

 60.5062, 94.7195,
37.0388

 0.3986, 2.5006,
0.0000

 80.5804, 121.9165,
52.5252


 0.0000, 0.8769,
0.0000


 104.6658,
153.8770, 71.8194


 0.0000, 0.0000,
0.0000


 133.1277,


190.9853, 95.3398


 166.3315,
233.6259, 123.5051


 13.0139, 25.8781,
4.7993


 13.0139, 25.8781,
4.7993


 13.0144, 25.8791,
4.7998

 13.3803, 26.0506,
5.5926

 14.0068, 26.3464,
6.8510

 14.9790, 26.8091,
8.6338

 16.3378, 27.4588,
10.9900

 18.1181, 28.3127,
13.9630

■ 20.3513, 29.3859,
17.5919

■ 23.0655, 30.6923,
21.9128

■ 26.2867, 32.2445,
26.9588

■ 30.0389, 34.0543,
32.7612

Harmonies

Analogous

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



19.3760, 25.8781, 1.4864



13.0139, 25.8781, 4.7993



10.1822, 25.8781, 17.4893

Triad

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



13.0139, 25.8781, 4.7993



20.5082, 25.8781, 123.5562



48.0378, 25.8781, 14.9132

Complementary

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



13.0139, 25.8781, 4.7993



20.0889, 9.7569, 28.0167

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.



48.5852, 25.8781, 42.5166



13.0139, 25.8781, 4.7993



30.6790, 25.8781, 120.8981

Square

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



13.0139, 25.8781, 4.7993



13.6476, 25.8781, 90.9699



41.5734, 25.8781, 85.1349



40.2353, 25.8781, 4.0083

Rectangle

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



13.0139, 25.8781, 4.7993



9.9889, 25.8781, 35.4629



41.5734, 25.8781, 85.1349



49.1387, 25.8781, 21.9641

Sweetspot

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



13.0145, 25.8792, 4.7999



41.5654, 55.5699, 39.2949



25.2248, 32.1846, 4.8829



8.8714, 12.2574, 8.0899



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.



13.0145, 25.8792, 4.7999



23.5906, 46.9660, 8.5273



14.9639, 26.6589, 15.0654



7.0127, 7.9059, 7.6785



10.2607, 20.3906, 3.8235



0.2235, 0.4316, 0.1222

Inverse Universe

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



20.0889, 9.7569, 28.0167



36.4255, 17.6951, 50.6338



15.9292, 8.0931, 6.1122



7.3340, 7.1901, 8.7454



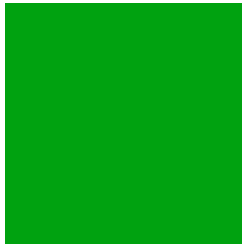
15.8347, 7.6899, 22.1180



0.3408, 0.1648, 0.5074

Previews

White Background



This preview shows how the XYZ color 13.0139, 25.8781, 4.7993 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 13.0139, 25.8781, 4.7993 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

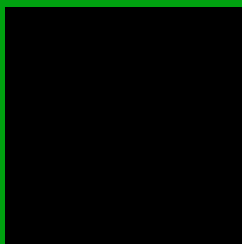
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 13.0139, 25.8781, 4.7993

Background



This preview shows how black text looks on a background with the XYZ color 13.0139, 25.8781, 4.7993.



This preview shows how white text looks on a background with the XYZ color 13.0139, 25.8781,

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

13.0139, 25.8781, 4.7993

Protanopia

22.9429, 25.5332, 3.7192

Deuteranopia

25.9217, 25.3712, 5.3646



Tritanopia

20.0614, 26.0065, 38.6127

Trichromacy



Original Color

13.0139, 25.8781, 4.7993



Protanomaly

15.6122, 23.5332, 3.8918



Deuteranomaly

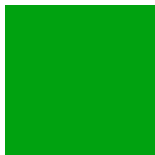
16.4629, 22.8192, 4.7652



Tritanomaly

15.5321, 25.0821, 18.7745

Monochromacy



Original Color

13.0139, 25.8781, 4.7993



Achromatopsia

11.3621, 11.9538, 13.0177



Achromatomaly

9.8674, 15.1162, 7.8665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.0139, 25.8781, 4.7993 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, 162, 16)` looks like.

```
.text, #text, p{  
    color:rgb(0, 162, 16)  
}
```

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, 162, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 162, 16) }
```

Border

The CSS property to change the border of an element to XYZ 13.0139, 25.8781, 4.7993 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, 162, 16) }
```


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

```
.border{ border-color:rgb(0, 162, 16) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 162, 16)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 162, 16); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 162, 16);  
box-shadow:4px 4px 4px 4px rgb(0, 162, 16)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.0139, 25.8781, 4.7993 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 162, 16) }
```

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

```
.background{ background-color: rgb(0, 162,  
16) }
```

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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