

Converting Colors

XYZ(6.9516, 21.9264, 7.9003)

Have a look what the booklet for
XYZ(6.9516, 21.9264, 7.9003)
contains.

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Color

**XYZ(13.1619, 25.1018,
8.1544)**

Conversions

Conversions Part 1

Format	Color
Hex	009F3A
RGB	0, 159, 58
RGB Percent	0%, 62%, 23%
CMY	1.0000, 0.3765, 0.7725
CMYK	1.00, 0.00, 0.64, 0.38
HSL	142°, 100%, 31%
HSV	142°, 100%, 62%
XYZ	13.1619, 25.1018, 8.1544
YIQ	99.9450, -62.3430, -65.1190

Conversions

Conversions Part 2

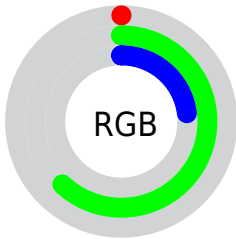
Format	Color
RYB	0, 117, 159
Decimal	40762
CIELab	57.17, -56.73, 41.86
CIELCh	57, 70.500, 143.575
Yxy	25.1018, 0.2836, 0.5408
Android (android.graphics.Color)	4278230842 (0xFF009F3A)
YUV	99.9450, -20.6789, -87.6518
Hunter-Lab	50.1017, -40.7854, 25.4213

Details

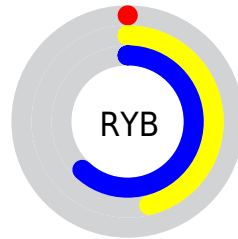
The XYZ color **13.1619, 25.1018, 8.1544** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **16.6480, 8.3111, 13.0402**, and the grayscale version is **12.1624, 12.7958, 13.9346**.

A 20% lighter version of the original color is **31.1806, 51.8289, 22.8286**, and **5.1595, 10.3103, 1.7469** is the 20% darker color. If you saturate the color by 10%, you get **13.1623, 25.1027, 8.1545**, and if you desaturate by 10%, it is **13.6573, 25.3252, 9.6538**.

Distribution



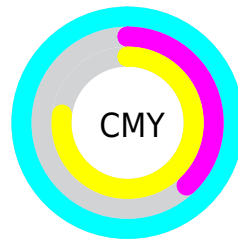
- Red (0%)
- Green (62%)
- Blue (23%)



- Red (0%)
- Yellow (46%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (64%)
- Black (38%)





- Cyan (100%)
- Magenta (38%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 13.1619, 25.1018, 8.1544 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 13.1619, 25.1018, 8.1544 by changing the saturation by 10% instead.


 13.1619, 25.1018,
8.1544


 13.1619, 25.1018,
8.1544


205.5694,
278.3445, 186.9177


 7.6179, 16.1529,
4.1047


 31.1932, 51.8223,
22.8117


 3.9012, 9.6324,
1.6830


 44.4112, 70.3628,
34.2564

 1.6464, 5.1559,
0.3490


 60.9179, 92.8692,
49.0033

 0.4223, 2.3390,
0.0000

 81.0786, 119.7259,
67.4707

 0.0000, 0.7943,
0.0000

 105.2588,
151.3174, 90.0773

 0.0000, 0.0000,
0.0000

 133.8237,

188.0281, 117.2417

167.1388,
230.2424, 149.3823

■ 13.1619, 25.1018,
8.1544

■ 13.1619, 25.1018,
8.1544

■ 13.1623, 25.1027,
8.1545

■ 13.6573, 25.3252,
9.6538

■ 14.3708, 25.6542,
11.4404

■ 15.3779, 26.1282,
13.5314

■ 16.7113, 26.7636,
15.9408

■ 18.3992, 27.5749,
18.6814

■ 20.4665, 28.5745,
21.7654

■ 22.9359, 29.7740,
25.2045

■ 25.8281, 31.1837,
29.0096

■ 29.1625, 32.8135,
33.1912

Harmonies

Analogous

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



18.0148, 25.1018, 3.1732



13.1619, 25.1018, 8.1544



11.2302, 25.1018, 22.5185

Triad

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



13.1619, 25.1018, 8.1544



22.1127, 25.1018, 102.8253



41.7309, 25.1018, 12.7967

Complementary

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



13.1619, 25.1018, 8.1544



16.6480, 8.3111, 13.0402

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.



43.5493, 25.1018, 32.7858



13.1619, 25.1018, 8.1544



30.8463, 25.1018, 94.5057

Square

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



13.1619, 25.1018, 8.1544



15.5641, 25.1018, 83.2604



39.1856, 25.1018, 64.5622



34.6744, 25.1018, 4.5564

Rectangle

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



13.1619, 25.1018, 8.1544



11.4412, 25.1018, 39.5587



39.1856, 25.1018, 64.5622



43.0338, 25.1018, 17.9258

Sweetspot

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



13.1625, 25.1028, 8.1550



40.8004, 53.1870, 44.7660



18.0329, 27.7018, 4.3967



8.7863, 11.7906, 9.5269



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



13.1625, 25.1028, 8.1550



23.4857, 44.9206, 14.1510



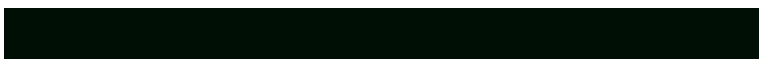
16.7827, 26.5509, 27.2186



6.6458, 7.4391, 7.5692



10.4143, 19.8337, 6.5387



0.2057, 0.3624, 0.2194

Inverse Universe

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



16.6480, 8.3111, 13.0402



29.7174, 14.8450, 22.8455



14.4621, 7.4367, 1.5295



6.8014, 6.7135, 7.8052



13.1690, 6.5722, 10.4068



0.2552, 0.1254, 0.2898

Previews

White Background



This preview shows how the XYZ color 13.1619, 25.1018, 8.1544 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 13.1619, 25.1018, 8.1544 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 13.1619, 25.1018, 8.1544

Background



This preview shows how black text looks on a background with the XYZ color 13.1619, 25.1018, 8.1544.



This preview shows how white text looks on a background with the XYZ color 13.1619, 25.1018,

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

13.1619, 25.1018, 8.1544

Protanopia

22.5144, 24.8147, 6.8519

Deuteranopia

25.1442, 24.6953, 8.7516



Tritanopia

19.2948, 25.1581, 37.5573

Trichromacy



Original Color

13.1619, 25.1018, 8.1544



Protanomaly

15.7210, 23.0585, 7.1122



Deuteranomaly

16.5137, 22.5457, 8.3319



Tritanomaly

15.9438, 24.7091, 22.9978

Monochromacy



Original Color

13.1619, 25.1018, 8.1544



Achromatopsia

12.1130, 12.7438, 13.8780



Achromatomaly

10.5914, 15.4206, 11.0126

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.1619, 25.1018, 8.1544 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, 159, 58)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 58)  
}
```

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, 159, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 58) }
```

Border

The CSS property to change the border of an element to XYZ 13.1619, 25.1018, 8.1544 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, 159, 58) }
```


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

```
.border{ border-color:rgb(0, 159, 58) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 159, 58)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 58);  
box-shadow:4px 4px 4px 4px rgb(0, 159, 58)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.1619, 25.1018, 8.1544 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 58) }
```

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

```
.background{ background-color: rgb(0, 159,  
58) }
```

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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