

Converting Colors

XYZ(9.6607, 19.3616, 5.7585)

Have a look what the booklet for
XYZ(9.6607, 19.3616, 5.7585)
contains.

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Color

**XYZ(10.1467, 19.5355,
5.7186)**

Conversions

Conversions Part 1

Format	Color
Hex	008E2D
RGB	0, 142, 45
RGB Percent	0%, 56%, 18%
CMY	1.0000, 0.4431, 0.8235
CMYK	1.00, 0.00, 0.68, 0.44
HSL	139°, 100%, 28%
HSV	139°, 100%, 56%
XYZ	10.1467, 19.5355, 5.7186
YIQ	88.4840, -53.4950, -60.2710

Conversions

Conversions Part 2

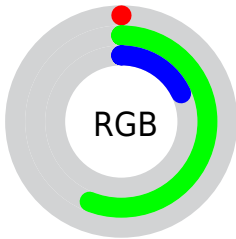
Format	Color
RYB	0, 108, 142
Decimal	36397
CIELab	51.31, -52.93, 41.15
CIELCh	51, 67.043, 142.137
Yxy	19.5355, 0.2866, 0.5518
Android (android.graphics.Color)	4278226477 (0xFF008E2D)
YUV	88.4840, -21.4376, -77.6005
Hunter-Lab	44.1990, -36.3702, 23.2682

Details

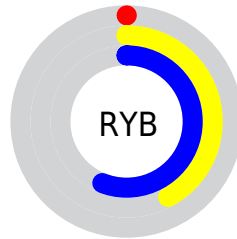
The XYZ color **10.1467, 19.5355, 5.7186** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.3137, 6.6142, 11.8851**, and the grayscale version is **9.4365, 9.9279, 10.8115**.

A 20% lighter version of the original color is **25.6880, 42.6435, 17.7036**, and **3.6562, 7.3123, 1.2187** is the 20% darker color. If you saturate the color by 10%, you get **10.1471, 19.5363, 5.7187**, and if you desaturate by 10%, it is **10.5402, 19.7148, 6.8271**.

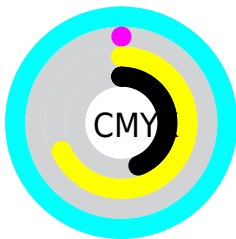
Distribution



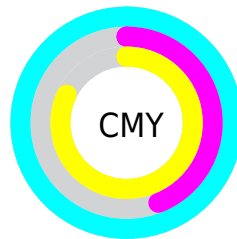
- Red (0%)
- Green (56%)
- Blue (18%)



- Red (0%)
- Yellow (42%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (68%)
- Black (44%)





- Cyan (100%)
- Magenta (44%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.1467, 19.5355, 5.7186 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 10.1467, 19.5355, 5.7186 by changing the saturation by 10% instead.


 10.1467, 19.5355,
5.7186


 10.1467, 19.5355,
5.7186


185.7477,
249.3893, 165.7507


 5.5593, 12.0579,
2.6087


 25.7182, 42.6370,
17.8114


 2.6171, 6.7831,
0.8970


 37.4331, 59.0297,
27.6315


 0.9547, 3.3268,
0.0000

 52.2546, 79.1628,
40.5254

 0.0000, 1.3046,
0.0000

 70.5480, 103.4208,
56.9116

 0.0000, 0.1448,
0.0000

 92.6786, 132.1881,
77.2087

 0.0000, 0.0000,
0.0000

 119.0119,

165.8490, 101.8352

149.9131,
204.7879, 131.2097

■ 10.1467, 19.5355,
5.7186

■ 10.1467, 19.5355,
5.7186

■ 10.1471, 19.5363,
5.7187

■ 10.5402, 19.7148,
6.8271

■ 11.1004, 19.9742,
8.1813

■ 11.8927, 20.3477,
9.7977

■ 12.9422, 20.8480,
11.6893

■ 14.2706, 21.4859,
13.8685

■ 15.8969, 22.2711,
16.3468

■ 17.8388, 23.2125,
19.1350

■ 20.1122, 24.3180,
22.2434

■ 22.7322, 25.5953,
25.6818

Harmonies

Analogous

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



14.1275, 19.5355, 2.1368



10.1467, 19.5355, 5.7186



8.5128, 19.5355, 16.6154

Triad

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



10.1467, 19.5355, 5.7186



16.8619, 19.5355, 82.6759



33.2258, 19.5355, 10.1839

Complementary

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



10.1467, 19.5355, 5.7186



13.3137, 6.6142, 11.8851

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.



34.4610, 19.5355, 26.7235



10.1467, 19.5355, 5.7186



23.8531, 19.5355, 76.9524

Square

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



10.1467, 19.5355, 5.7186



11.7347, 19.5355, 65.6680



30.6972, 19.5355, 52.8700



27.6423, 19.5355, 3.4226

Rectangle

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



10.1467, 19.5355, 5.7186



8.6123, 19.5355, 30.0012



30.6972, 19.5355, 52.8700



34.2099, 19.5355, 14.4233

Sweetspot

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



10.1472, 19.5363, 5.7190



31.2244, 40.8192, 33.4170



14.6071, 21.8902, 3.4555



6.6800, 8.9744, 7.0471



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.1472, 19.5363, 5.7190



17.8259, 34.4224, 9.7321



12.8241, 20.6071, 19.8154



5.4089, 6.0558, 6.1192



9.1178, 17.5430, 5.1747



0.0963, 0.1714, 0.0976

Inverse Universe

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



13.3137, 6.6142, 11.8851



23.3999, 11.6324, 20.5541



11.3427, 5.8259, 1.5061



5.5545, 5.4823, 6.4180



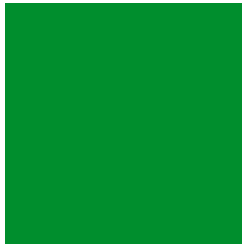
11.9617, 5.9417, 10.7154



0.1244, 0.0608, 0.1552

Previews

White Background



This preview shows how the XYZ color 10.1467, 19.5355, 5.7186 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 10.1467, 19.5355, 5.7186 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 10.1467, 19.5355, 5.7186

Background



This preview shows how black text looks on a background with the XYZ color 10.1467, 19.5355, 5.7186.



This preview shows how white text looks on a background with the XYZ color 10.1467, 19.5355,

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

10.1467, 19.5355, 5.7186

Protanopia

17.4959, 19.3065, 4.8119

Deuteranopia

19.6737, 19.3364, 6.1854



Tritanopia

15.0904, 19.6578, 28.9856

Trichromacy



Original Color

10.1467, 19.5355, 5.7186



Protanomaly

12.1987, 17.8939, 5.0014



Deuteranomaly

12.7550, 17.3930, 5.8169



Tritanomaly

12.2210, 19.0632, 16.9454

Monochromacy



Original Color

10.1467, 19.5355, 5.7186



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

8.1631, 12.0338, 8.0234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1467, 19.5355, 5.7186 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, 142, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 45)  
}
```

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, 142, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 45) }
```

Border

The CSS property to change the border of an element to XYZ 10.1467, 19.5355, 5.7186 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, 142, 45) }
```


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

```
.border{ border-color:rgb(0, 142, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 142, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 142, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 142, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 142, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.1467, 19.5355, 5.7186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 45) }
```

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

```
.background{ background-color: rgb(0, 142,  
45) }
```

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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