

Converting Colors

XYZ(9.7485, 18.1625, 1.2260)

Have a look what the booklet for
XYZ(9.7485, 18.1625, 1.2260)
contains.

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Color

**XYZ(10.0708, 18.2613,
2.9940)**

Conversions

Conversions Part 1

Format	Color
Hex	318800
RGB	49, 136, 0
RGB Percent	19%, 53%, 0%
CMY	0.8078, 0.4667, 1.0000
CMYK	0.64, 0.00, 1.00, 0.47
HSL	98°, 100%, 27%
HSV	98°, 100%, 53%
XYZ	10.0708, 18.2613, 2.9940
YIQ	94.4830, -8.1960, -60.7400

Conversions

Conversions Part 2

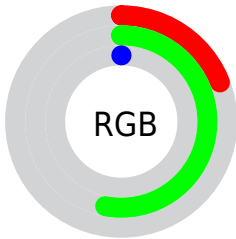
Format	Color
RYB	0, 136, 87
Decimal	3246080
CIELab	49.81, -47.07, 53.10
CIELCh	50, 70.962, 131.555
Yxy	18.2613, 0.3215, 0.5829
Android (android.graphics.Color)	4281436160 (0xFF318800)
YUV	94.4830, -46.5801, -39.8886
Hunter-Lab	42.7332, -32.7167, 25.7593

Details

The XYZ color **10.0708, 18.2613, 2.9940** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8.3759, 3.8047, 23.5865**, and the grayscale version is **10.8634, 11.4291, 12.4463**.

A 20% lighter version of the original color is **25.5812, 40.4084, 11.6056**, and **3.2485, 6.4970, 1.0828** is the 20% darker color. If you saturate the color by 10%, you get **10.0709, 18.2619, 2.9941**, and if you desaturate by 10%, it is **10.6088, 18.5303, 3.4193**.

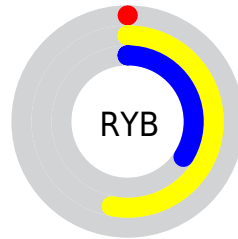
Distribution



Red (19%)

Green (53%)

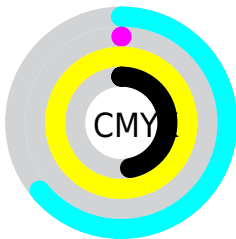
Blue (0%)



Red (0%)

Yellow (53%)

Blue (34%)

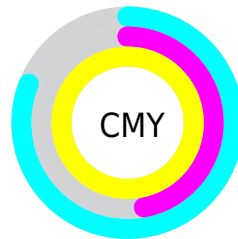


Cyan (64%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (81%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.0708, 18.2613, 2.9940 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 10.0708, 18.2613, 2.9940 by changing the saturation by 10% instead.

■ 10.0708, 18.2613,
2.9940

■ 10.0708, 18.2613,
2.9940

185.2197,
242.3398, 136.2842

■ 5.5086, 11.1377,
1.0916

■ 25.5771, 40.4821,
11.6136

■ 2.5864, 6.1596,
0.0000

■ 37.2518, 56.3481,
19.1679

■ 0.9390, 2.9423,
0.0000

■ 52.0280, 75.8970,
29.4432

■ 0.0000, 1.1017,
0.0000


■ 70.2712, 99.5133,
42.8581


■ 0.0000, 0.0000,
0.0000


■ 92.3465, 127.5814,
59.8311


■ 118.6195,


160.4855, 80.7807


 149.4555,
198.6102, 106.1256


 10.0708, 18.2613,
2.9940


 10.0708, 18.2613,
2.9940


 10.0709, 18.2619,
2.9941

 10.6088, 18.5303,
3.4193

 11.2788, 18.8615,
4.0959

 12.1112, 19.2679,
5.1613

 13.1187, 19.7551,
6.6625

 14.3125, 20.3280,
8.6400

■ 15.7026, 20.9910,
11.1294

■ 17.2985, 21.7481,
14.1631

■ 19.1087, 22.6034,
17.7707

■ 21.1413, 23.5602,
21.9798

Harmonies

Analogous

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



14.8762, 18.2613, 1.1550



10.0708, 18.2613, 2.9940



7.7006, 18.2613, 10.2620

Triad

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



10.0708, 18.2613, 2.9940



13.5532, 18.2613, 80.4181



33.5018, 18.2613, 13.3079

Complementary

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



10.0708, 18.2613, 2.9940



8.3759, 3.8047, 23.5865

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.



32.8776, 18.2613, 34.1758



10.0708, 18.2613, 2.9940



20.0990, 18.2613, 83.3996

Square

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



10.0708, 18.2613, 2.9940



9.3203, 18.2613, 56.3145



27.5104, 18.2613, 62.9015



29.0427, 18.2613, 3.9838

Rectangle

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



10.0708, 18.2613, 2.9940



7.3205, 18.2613, 20.9132



27.5104, 18.2613, 62.9015



33.9052, 18.2613, 18.8881

Sweetspot

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



10.0712, 18.2621, 2.9944



30.2873, 38.2320, 24.5763



13.4927, 11.9122, 1.5884



6.7674, 8.7371, 5.2164



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.0712, 18.2621, 2.9944



17.5901, 32.1005, 5.2689



8.9150, 17.6533, 3.5159



5.1309, 5.6902, 5.3803



9.5409, 17.2885, 2.8342



0.0784, 0.1226, 0.0195

Inverse Universe

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



8.3759, 3.8047, 23.5865



14.5858, 6.6146, 41.5563



13.4162, 6.5396, 17.6543



5.0620, 5.0404, 6.3119



7.9371, 3.6059, 22.3234



0.0688, 0.0322, 0.1490

Previews

White Background



This preview shows how the XYZ color 10.0708, 18.2613, 2.9940 looks on a white 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

Black Background



This preview shows how the XYZ color 10.0708, 18.2613, 2.9940 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 10.0708, 18.2613, 2.9940

Background



This preview shows how black text looks on a background with the XYZ color 10.0708, 18.2613, 2.9940.



This preview shows how white text looks on a background with the XYZ color 10.0708, 18.2613,

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

10.0708, 18.2613, 2.9940

Protanopia

16.1513, 17.9434, 2.6122

Deuteranopia

18.2287, 17.9729, 3.6708



Tritanopia

14.7239, 18.1443, 26.3931

Trichromacy



Original Color

10.0708, 18.2613, 2.9940

Protanomaly

12.8131, 17.4920, 2.7010

Deuteranomaly

13.6286, 17.1632, 3.1668

Tritanomaly

11.8173, 17.7434, 11.8188

Monochromacy



Original Color

10.0708, 18.2613, 2.9940

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

9.4261, 12.8832, 6.2649

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.0708, 18.2613, 2.9940 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(49, 136, 0)` looks like.

```
.text, #text, p{  
    color:rgb(49, 136, 0)  
}
```

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(49, 136, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 136, 0) }
```

Border

The CSS property to change the border of an element to XYZ 10.0708, 18.2613, 2.9940 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(49, 136, 0) }
```


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

```
.border{ border-color:rgb(49, 136, 0) }
```

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

Here you see how a box with a 4 pixel rgb(49, 136, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 136, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 136, 0);  
box-shadow:4px 4px 4px 4px rgb(49, 136, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.0708, 18.2613, 2.9940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 136, 0) }
```

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

```
.background{ background-color: rgb(49, 136,  
0) }
```

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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