

Converting Colors

XYZ(10.2967, 19.8347, 5.7702)

Have a look what the booklet for
XYZ(10.2967, 19.8347, 5.7702)
contains.

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Color

**XYZ(10.2961, 19.8344,
5.7684)**

Conversions

Conversions Part 1

Format	Color
Hex	008F2D
RGB	0, 143, 45
RGB Percent	0%, 56%, 18%
CMY	1.0000, 0.4392, 0.8235
CMYK	1.00, 0.00, 0.69, 0.44
HSL	139°, 100%, 28%
HSV	139°, 100%, 56%
XYZ	10.2961, 19.8344, 5.7684
YIQ	89.0710, -53.7700, -60.7940

Conversions

Conversions Part 2

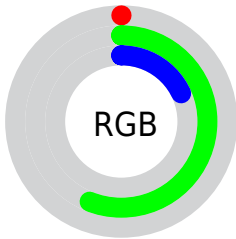
Format	Color
RYB	0, 109, 143
Decimal	36653
CIELab	51.65, -53.24, 41.52
CIELCh	52, 67.519, 142.051
Yxy	19.8344, 0.2868, 0.5525
Android (android.graphics.Color)	4278226733 (0xFF008F2D)
YUV	89.0710, -21.7270, -78.1153
Hunter-Lab	44.5358, -36.6708, 23.4957

Details

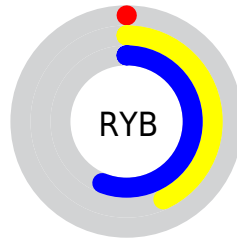
The XYZ color **10.2961, 19.8344, 5.7684** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **13.5327, 6.7217, 12.1393**, and the grayscale version is **9.5667, 10.0650, 10.9607**.

A 20% lighter version of the original color is **26.0517, 43.1640, 18.0247**, and **3.7411, 7.4822, 1.2470** is the 20% darker color. If you saturate the color by 10%, you get **10.2966, 19.8352, 5.7689**, and if you desaturate by 10%, it is **10.6935, 20.0155, 6.8895**.

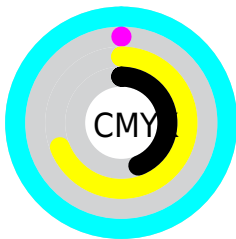
Distribution



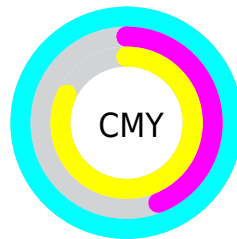
- Red (0%)
- Green (56%)
- Blue (18%)



- Red (0%)
- Yellow (43%)
- Blue (56%)



- Cyan (100%)
- Magenta (0%)
- Yellow (69%)
- Black (44%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.2961, 19.8344, 5.7684 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 10.2961, 19.8344, 5.7684 by changing the saturation by 10% instead.


 10.2961, 19.8344,
5.7684


 10.2961, 19.8344,
5.7684


186.7823,
251.0172, 166.2197


 5.6595, 12.2747,
2.6383


 25.9956, 43.1394,
17.9176


 2.6778, 6.9311,
0.9121


 37.7892, 59.6535,
27.7737


 0.9858, 3.4190,
0.0000

 52.6992, 79.9211,
40.7088

 0.0000, 1.3542,
0.0000

 71.0910, 104.3268,
57.1416

 0.0000, 0.1826,
0.0000

 93.3298, 133.2548,
77.4905

 0.0000, 0.0000,
0.0000

 119.7810,

167.0897, 102.1742

150.8101,
206.2157, 131.6110

■ 10.2961, 19.8344,
5.7684

■ 10.2961, 19.8344,
5.7684

■ 10.2966, 19.8352,
5.7689

■ 10.6935, 20.0155,
6.8895

■ 11.2610, 20.2782,
8.2615

■ 12.0646, 20.6570,
9.9013

■ 13.1299, 21.1648,
11.8225

■ 14.4788, 21.8126,
14.0375

■ 16.1311, 22.6102,
16.5583

■ 18.1044, 23.5668,
19.3960

■ 20.4152, 24.6903,
22.5611

■ 23.0787, 25.9887,
26.0638

Harmonies

Analogous

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



14.3505, 19.8344, 2.1499



10.2961, 19.8344, 5.7684



8.6291, 19.8344, 16.8137

Triad

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



10.2961, 19.8344, 5.7684



17.0983, 19.8344, 84.1067



33.7811, 19.8344, 10.3542

Complementary

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



10.2961, 19.8344, 5.7684



13.5327, 6.7217, 12.1393

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.



35.0236, 19.8344, 27.2093



10.2961, 19.8344, 5.7684



24.2083, 19.8344, 78.3446

Square

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



10.2961, 19.8344, 5.7684



11.8910, 19.8344, 66.7259



31.1791, 19.8344, 53.8455



28.1066, 19.8344, 3.4675

Rectangle

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



10.2961, 19.8344, 5.7684



8.7261, 19.8344, 30.4111



31.1791, 19.8344, 53.8455



34.7782, 19.8344, 14.6742

Sweetspot

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



10.2966, 19.8352, 5.7689



32.1791, 42.0853, 34.3943



15.0897, 22.3609, 3.5208



7.0603, 9.4963, 7.4344



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.2966, 19.8352, 5.7689



18.3691, 35.4925, 9.9636



12.8831, 20.8698, 19.3891



5.4085, 6.0556, 6.1168



9.1124, 17.5408, 5.1462



0.0962, 0.1713, 0.0971

Inverse Universe

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



13.5327, 6.7217, 12.1393



24.1541, 12.0051, 21.3175



11.5450, 5.9266, 1.6721



5.5550, 5.4825, 6.4206



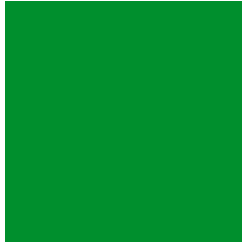
11.9747, 5.9469, 10.7842



0.1245, 0.0609, 0.1557

Previews

White Background



This preview shows how the XYZ color 10.2961, 19.8344, 5.7684 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 10.2961, 19.8344, 5.7684 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 10.2961, 19.8344, 5.7684

Background



This preview shows how black text looks on a background with the XYZ color 10.2961, 19.8344, 5.7684.



This preview shows how white text looks on a background with the XYZ color 10.2961, 19.8344,

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

10.2961, 19.8344, 5.7684

Protanopia

17.7825, 19.6375, 4.8607

Deuteranopia

19.9760, 19.6643, 6.2328



Tritanopia

15.3041, 19.9634, 29.4323

Trichromacy



Original Color

10.2961, 19.8344, 5.7684



Protanomaly

12.3310, 18.1587, 5.0455



Deuteranomaly

12.9882, 17.7021, 5.8643



Tritanomaly

12.4154, 19.3673, 17.2713

Monochromacy



Original Color

10.2961, 19.8344, 5.7684



Achromatopsia

9.4954, 9.9899, 10.8790



Achromatomaly

8.3586, 12.2882, 8.2346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2961, 19.8344, 5.7684 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, 143, 45)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 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, 143, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 45) }
```

Border

The CSS property to change the border of an element to XYZ 10.2961, 19.8344, 5.7684 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, 143, 45) }
```


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

```
.border{ border-color:rgb(0, 143, 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, 143, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 45);  
box-shadow:4px 4px 4px 4px rgb(0, 143, 45)  
}
```

Background

The CSS property to change the background color of an element to XYZ 10.2961, 19.8344, 5.7684 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 45) }
```

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

```
.background{ background-color: rgb(0, 143,  
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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