

Converting Colors

XYZ(10.7071, 19.6067, 5.6030)

Have a look what the booklet for
XYZ(10.7071, 19.6067, 5.6030)
contains.

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Color

**XYZ(10.7071, 19.6067,
5.6030)**

Conversions

Conversions Part 1

Format	Color
Hex	248D2C
RGB	36, 141, 44
RGB Percent	14%, 55%, 17%
CMY	0.8588, 0.4470, 0.8274
CMYK	0.74, 0.00, 0.69, 0.45
HSL	125°, 59%, 35%
HSV	125°, 74%, 55%
XYZ	10.7071, 19.6067, 5.6030
YIQ	98.5470, -31.4430, -52.4270

Conversions

Conversions Part 2

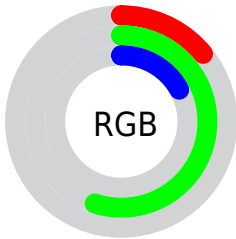
Format	Color
R_{YB}	36, 134, 141
Decimal	2395436
CIE Lab	51.39, -48.99, 41.80
CIE LCh	51, 64.400, 139.530
Yxy	19.6067, 0.2981, 0.5459
Android (android.graphics.Color)	4280585516 (0xFF248D2C)
YUV	98.5470, -26.8917, -54.8537
Hunter-Lab	44.2795, -34.3264, 23.4932

Details

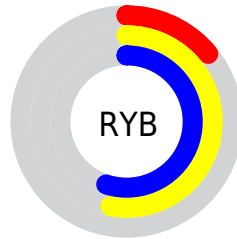
The XYZ color **10.7071, 19.6067, 5.6030** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.8496, 8.6183, 23.0190**, and the grayscale version is **11.8174, 12.4328, 13.5394**.

A 20% lighter version of the original color is **26.8425, 42.9027, 17.6928**, and **3.5724, 7.1448, 1.1908** is the 20% darker color. If you saturate the color by 10%, you get **10.1010, 19.3188, 4.4913**, and if you desaturate by 10%, it is **11.5849, 20.0269, 7.1297**.

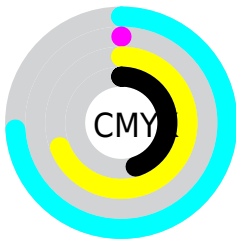
Distribution



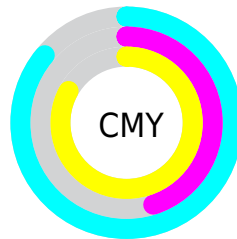
- Red (14%)
- Green (55%)
- Blue (17%)



- Red (14%)
- Yellow (53%)
- Blue (55%)



- Cyan (74%)
- Magenta (0%)
- Yellow (69%)
- Black (45%)





- Cyan (86%)
- Magenta (45%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.7071, 19.6067, 5.6030 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 10.7071, 19.6067, 5.6030 by changing the saturation by 10% instead.


 10.7071, 19.6067,
5.6030


 10.7071, 19.6067,
5.6030


189.5970,
249.7779, 164.6549


 5.9361, 12.1095,
2.5404


 26.7550, 42.7568,
17.5644


 2.8465, 6.8183,
0.8614


 38.7627, 59.1785,
27.3002


 1.0731, 3.3487,
0.0000

 53.9132, 79.3437,
40.0975

 0.0025, 1.3164,
0.0000

 72.5720, 103.6370,
56.3748

 0.0000, 0.1538,
0.0000

 95.1044, 132.4427,
76.5506

 0.0000, 0.0000,
0.0000

 121.8758,

166.1451, 101.0436

153.2516,
205.1287, 130.2721

■ 10.7071, 19.6067,
5.6030

■ 10.7071, 19.6067,
5.6030

■ 10.1010, 19.3188,
4.4913

■ 11.5849, 20.0269,
7.1297

■ 9.7317, 19.1444,
3.7525

■ 12.7600, 20.5902,
9.1052

■ 9.5842, 19.0741,
3.4854

■ 14.2565, 21.3088,
11.5615

■ 16.0955, 22.1931,
14.5274

■ 18.2965, 23.2526,
18.0292

■ 20.8776, 24.4960,
22.0915

■ 23.8555, 25.9313,
26.7375

■ 27.2459, 27.5664,
31.9889

■ 31.0637, 29.4085,
37.8663

Harmonies

Analogous

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



14.7914, 19.6067, 2.3260



10.7071, 19.6067, 5.6030



8.9112, 19.6067, 15.5257

Triad

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



10.7071, 19.6067, 5.6030



16.4728, 19.6067, 78.7383



32.9284, 19.6067, 11.5442

Complementary

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



10.7071, 19.6067, 5.6030



15.8496, 8.6183, 23.0190

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.



33.6746, 19.6067, 28.4704



10.7071, 19.6067, 5.6030



23.0940, 19.6067, 75.3241

Square

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



10.7071, 19.6067, 5.6030



11.6928, 19.6067, 61.3413



29.7449, 19.6067, 53.6708



27.8937, 19.6067, 4.1296

Rectangle

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



10.7071, 19.6067, 5.6030



8.8896, 19.6067, 27.7817



29.7449, 19.6067, 53.6708



33.7270, 19.6067, 15.9938

Sweetspot

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



10.7076, 19.6075, 5.6034



33.6318, 42.0575, 33.6562



19.6757, 24.2465, 5.3122



7.2866, 9.2852, 7.1614



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.



10.7076, 19.6075, 5.6034



17.6196, 34.3737, 7.1192



12.3414, 20.2610, 14.2069



5.3585, 6.0356, 5.8539



8.7413, 17.3924, 3.1921



0.0862, 0.1673, 0.0445

Inverse Universe

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



15.8496, 8.6183, 23.0190



27.2900, 13.5942, 39.7880



13.1200, 7.5265, 8.6449



5.6088, 5.5040, 6.7038



13.7080, 6.6402, 19.9116



0.1345, 0.0649, 0.2084

Previews

White Background



This preview shows how the XYZ color 10.7071, 19.6067, 5.6030 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 10.7071, 19.6067, 5.6030 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 10.7071, 19.6067, 5.6030

Background



This preview shows how black text looks on a background with the XYZ color 10.7071, 19.6067, 5.6030.



This preview shows how white text looks on a background with the XYZ color 10.7071, 19.6067,

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

10.7071, 19.6067, 5.6030

Protanopia

17.4791, 19.2998, 4.7234

Deuteranopia

19.6505, 19.3271, 6.0630



Tritanopia

15.3805, 19.6138, 28.5664

Trichromacy



Original Color

10.7071, 19.6067, 5.6030

Protanomaly

13.5060, 18.5699, 4.9703

Deuteranomaly

14.2160, 18.1487, 5.7714

Tritanomaly

12.8410, 19.1808, 16.6611

Monochromacy



Original Color

10.7071, 19.6067, 5.6030

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

10.4091, 14.1356, 9.5770

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.7071, 19.6067, 5.6030 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(36, 141, 44)` looks like.

```
.text, #text, p{  
    color:rgb(36, 141, 44)  
}
```

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(36, 141, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 141, 44) }
```

Border

The CSS property to change the border of an element to XYZ 10.7071, 19.6067, 5.6030 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(36, 141, 44) }
```


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

```
.border{ border-color:rgb(36, 141, 44) }
```

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

Here you see how a box with a 4 pixel rgb(36, 141, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 141, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 141, 44);  
box-shadow:4px 4px 4px 4px rgb(36, 141,  
44) }
```

Background

The CSS property to change the background color of an element to XYZ 10.7071, 19.6067, 5.6030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 141, 44) }
```

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

```
.background{ background-color: rgb(36, 141,  
44) }
```

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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