

Converting Colors

XYZ(11.4033, 19.8062, 8.7716)

Have a look what the booklet for
XYZ(11.4033, 19.8062, 8.7716)
contains.

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Color

**XYZ(11.4741, 19.9305,
8.8725)**

Conversions

Conversions Part 1

Format	Color
Hex	288D45
RGB	40, 141, 69
RGB Percent	16%, 55%, 27%
CMY	0.8431, 0.4470, 0.7294
CMYK	0.72, 0.00, 0.51, 0.45
HSL	137°, 56%, 35%
HSV	137°, 72%, 55%
XYZ	11.4741, 19.9305, 8.8725
YIQ	102.5930, -37.0840, -43.8040

Conversions

Conversions Part 2

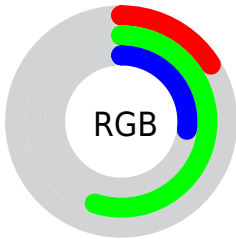
Format	Color
R_{YB}	40, 118, 141
Decimal	2657605
CIE _{Lab}	51.76, -44.95, 30.12
CIE _{LCh}	52, 54.106, 146.177
Yxy	19.9305, 0.2849, 0.4948
Android (android.graphics.Color)	4280847685 (0xFF288D45)
YUV	102.5930, -16.5613, -54.8941
Hunter-Lab	44.6436, -32.2490, 19.4672

Details

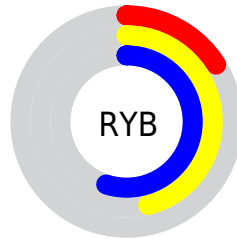
The XYZ color **11.4741, 19.9305, 8.8725** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **14.6684, 8.3504, 16.1682**, and the grayscale version is **12.8344, 13.5028, 14.7045**.

A 20% lighter version of the original color is **28.3252, 43.5211, 24.3603**, and **3.7172, 7.2027, 1.9534** is the 20% darker color. If you saturate the color by 10%, you get **10.7368, 19.5840, 7.3452**, and if you desaturate by 10%, it is **12.4652, 20.4029, 10.6886**.

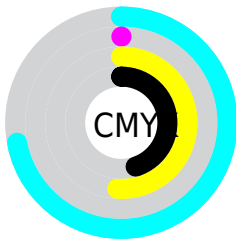
Distribution



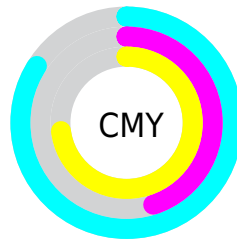
- Red (16%)
- Green (55%)
- Blue (27%)



- Red (16%)
- Yellow (46%)
- Blue (55%)



- Cyan (72%)
- Magenta (0%)
- Yellow (51%)
- Black (45%)



- Cyan (84%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.4741, 19.9305, 8.8725 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 11.4741, 19.9305, 8.8725 by changing the saturation by 10% instead.

■ 11.4741, 19.9305,
8.8725

■ 11.4741, 19.9305,
8.8725

194.7338,
251.5386, 192.6068

■ 6.4563, 12.3445,
4.5624

■ 28.1588, 43.3006,
24.2258

■ 3.1678, 6.9788,
1.9387

■ 40.5565, 59.8536,
36.1060

■ 1.2431, 3.4488,
0.5172

■ 56.1448, 80.1643,
51.3468

■ 0.1400, 1.3703,
0.0000

■ 75.2891, 104.6172,
70.3666

■ 0.0000, 0.1947,
0.0000

■ 98.3548, 133.5967,
93.5839

■ 0.0000, 0.0000,
0.0000

■ 125.7073,

167.4872, 121.4174

157.7118,
206.6730, 154.2855

■ 11.4741, 19.9305,
8.8725

■ 11.4741, 19.9305,
8.8725

■ 10.7368, 19.5840,
7.3452

■ 12.4652, 20.4029,
10.6886

■ 10.2263, 19.3481,
6.0902

■ 13.7308, 21.0097,
12.8060

■ 9.9166, 19.2070,
5.2359

■ 15.2908, 21.7617,
15.2383

■ 17.1630, 22.6678,
17.9976

■ 19.3637, 23.7359,
21.0956

■ 21.9079, 24.9739,
24.5433

■ 24.8099, 26.3886,
28.3513

■ 28.0829, 27.9868,
32.5294

■ 31.7396, 29.7748,
37.0876

Harmonies

Analogous

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



14.6682, 19.9305, 4.3304



11.4741, 19.9305, 8.8725



10.2608, 19.9305, 19.7519

Triad

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



11.4741, 19.9305, 8.8725



18.2500, 19.9305, 67.8289



30.0495, 19.9305, 10.9323

Complementary

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



11.4741, 19.9305, 8.8725



14.6684, 8.3504, 16.1682

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.



31.5093, 19.9305, 23.7741



11.4741, 19.9305, 8.8725



23.9776, 19.9305, 61.5649

Square

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



11.4741, 19.9305, 8.8725



13.6666, 19.9305, 57.6232



29.1047, 19.9305, 43.1827



25.4287, 19.9305, 5.0539

Rectangle

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



11.4741, 19.9305, 8.8725



10.5244, 19.9305, 31.2317



29.1047, 19.9305, 43.1827



30.9602, 19.9305, 14.3379

Sweetspot

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



11.4746, 19.9313, 8.8730



34.7528, 42.5430, 37.8835



16.6395, 22.6738, 5.5070



7.5386, 9.3935, 8.1516



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.



11.4746, 19.9313, 8.8730



18.6147, 34.7862, 11.7016



13.7373, 20.8364, 20.7880



5.4026, 6.0533, 6.0860



9.0479, 17.5150, 4.8066



0.0951, 0.1709, 0.0911

Inverse Universe

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



14.6684, 8.3504, 16.1682



24.6408, 12.7093, 25.2987



12.6101, 7.5271, 5.3291



5.5611, 5.4850, 6.4529



12.1430, 6.0142, 11.6702



0.1256, 0.0613, 0.1618

Previews

White Background



This preview shows how the XYZ color 11.4741, 19.9305, 8.8725 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 11.4741, 19.9305, 8.8725 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 11.4741, 19.9305, 8.8725

Background



This preview shows how black text looks on a background with the XYZ color 11.4741, 19.9305, 8.8725.



This preview shows how white text looks on a background with the XYZ color 11.4741, 19.9305,

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

11.4741, 19.9305, 8.8725

Protanopia

17.9718, 19.6757, 7.5532

Deuteranopia

19.8440, 19.5265, 9.3797



Tritanopia

15.6015, 19.9125, 29.4068

Trichromacy



Original Color

11.4741, 19.9305, 8.8725

Protanomaly

14.1923, 19.0562, 7.9312

Deuteranomaly

14.9701, 18.6540, 9.1149

Tritanomaly

13.6459, 19.7334, 19.9193

Monochromacy



Original Color

11.4741, 19.9305, 8.8725

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

11.5579, 15.1834, 12.2191

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.4741, 19.9305, 8.8725 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(40, 141, 69)` looks like.

```
.text, #text, p{  
    color:rgb(40, 141, 69)  
}
```

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(40, 141, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 141, 69) }
```

Border

The CSS property to change the border of an element to XYZ 11.4741, 19.9305, 8.8725 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(40, 141, 69) }
```


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

```
.border{ border-color:rgb(40, 141, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 141, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 141, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 141, 69);  
box-shadow:4px 4px 4px 4px rgb(40, 141,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 11.4741, 19.9305, 8.8725 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 141, 69) }
```

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

```
.background{ background-color: rgb(40, 141,  
69) }
```

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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