

Converting Colors

XYZ(11.8727, 19.1821, 12.9743)

Have a look what the booklet for
XYZ(11.8727, 19.1821, 12.9743)
contains.

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Color

**XYZ(11.8727, 19.1821,
12.9743)**

Conversions

Conversions Part 1

Format	Color
Hex	2C895B
RGB	44, 137, 91
RGB Percent	17%, 54%, 36%
CMY	0.8274, 0.4627, 0.6431
CMYK	0.68, 0.00, 0.34, 0.46
HSL	150°, 51%, 35%
HSV	150°, 68%, 54%
XYZ	11.8727, 19.1821, 12.9743
YIQ	103.9490, -40.6620, -34.0220

Conversions

Conversions Part 2

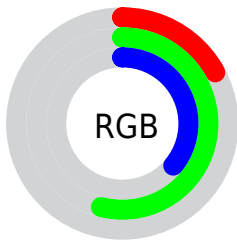
Format	Color
RYB	44, 106, 137
Decimal	2918747
CIELab	50.90, -38.42, 16.93
CIELCh	51, 41.981, 156.222
Yxy	19.1821, 0.2697, 0.4357
Android (android.graphics.Color)	4281108827 (0xFF2C895B)
YUV	103.9490, -6.3839, -52.5753
Hunter-Lab	43.7974, -28.2572, 13.0944

Details

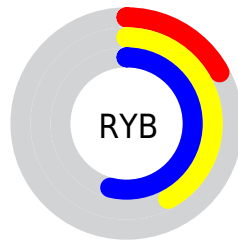
The XYZ color **11.8727, 19.1821, 12.9743** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **13.0633, 7.8584, 10.5020**, and the grayscale version is **13.1693, 13.8551, 15.0882**.

A 20% lighter version of the original color is **28.8053, 41.9514, 31.7785**, and **3.8014, 6.8450, 3.6035** is the 20% darker color. If you saturate the color by 10%, you get **11.0993, 18.8162, 11.4806**, and if you desaturate by 10%, it is **12.8678, 19.6603, 14.6170**.

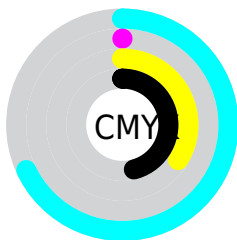
Distribution



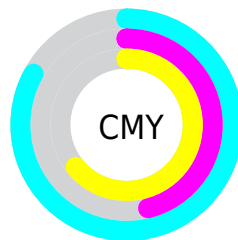
- Red (17%)
- Green (54%)
- Blue (36%)



- Red (17%)
- Yellow (42%)
- Blue (54%)



- Cyan (68%)
- Magenta (0%)
- Yellow (34%)
- Black (46%)




- Cyan (83%)
- Magenta (46%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 11.8727, 19.1821, 12.9743 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 11.8727, 19.1821, 12.9743 by changing the saturation by 10% instead.


 11.8727, 19.1821,
12.9743


 11.8727, 19.1821,
12.9743


197.3479,
247.4522, 221.9549


 6.7286, 11.8019,
7.2803


 28.8819, 42.0416,
31.9481


 3.3378, 6.6090,
3.5569


 41.4778, 58.2897,
46.0650


 1.3348, 3.2188,
1.3856

 57.2883, 78.2626,
63.8267

 0.2090, 1.2470,
0.1304

 76.6788, 102.3446,
85.6516

 0.0000, 0.0996,
0.0000

 100.0146,
130.9202, 111.9584

 0.0000, 0.0000,
0.0000

 127.6612,

164.3737, 143.1655

159.9838,
203.0896, 179.6915

■ 11.8727, 19.1821,
12.9743

■ 11.8727, 19.1821,
12.9743

■ 11.0993, 18.8162,
11.4806

■ 12.8678, 19.6603,
14.6170

■ 10.5255, 18.5497,
10.1301

■ 14.1012, 20.2577,
16.4118

■ 10.1091, 18.3614,
8.9174

■ 15.5892, 20.9831,
18.3633

■ 10.0275, 18.3246,
8.6772

■ 17.3466, 21.8442,
20.4753

■ 19.3867, 22.8476,
22.7516

■ 21.7220, 23.9998,
25.1960

■ 24.3643, 25.3068,
27.8118

■ 27.3246, 26.7742,
30.6026

■ 30.6136, 28.4074,
33.5716

Harmonies

Analogous

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



13.9198, 19.1821, 7.3614



11.8727, 19.1821, 12.9743



11.4063, 19.1821, 23.4564

Triad

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



11.8727, 19.1821, 12.9743



19.1087, 19.1821, 52.7494



25.4401, 19.1821, 10.1006

Complementary

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



11.8727, 19.1821, 12.9743



13.0633, 7.8584, 10.5020

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.



27.3491, 19.1821, 18.5107



11.8727, 19.1821, 12.9743



23.3538, 19.1821, 45.2148

Square

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



11.8727, 19.1821, 12.9743



15.2061, 19.1821, 49.4783



26.5330, 19.1821, 31.4966



21.6348, 19.1821, 6.1958

Rectangle

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



11.8727, 19.1821, 12.9743



11.9808, 19.1821, 32.6698



26.5330, 19.1821, 31.4966



26.3491, 19.1821, 12.3432

Sweetspot

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



11.8732, 19.1829, 12.9747



33.7322, 40.4296, 39.6708



13.6662, 20.2728, 5.5759



7.3640, 8.9688, 8.6745



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.



11.8732, 19.1829, 12.9747



19.3299, 33.4400, 19.3411



14.5003, 20.2337, 26.8090



5.0704, 5.6476, 5.8917



9.3463, 17.0711, 8.1144



0.0695, 0.1164, 0.0928

Inverse Universe

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



13.0633, 7.8584, 10.5020



21.6167, 11.6923, 14.5988



11.6724, 7.3020, 3.1774



5.1292, 5.0871, 5.7691



10.5811, 5.3426, 5.5644



0.0777, 0.0384, 0.0758

Previews

White Background



This preview shows how the XYZ color 11.8727, 19.1821, 12.9743 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 11.8727, 19.1821, 12.9743 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 11.8727, 19.1821, 12.9743

Background



This preview shows how black text looks on a background with the XYZ color 11.8727, 19.1821, 12.9743.



This preview shows how white text looks on a background with the XYZ color 11.8727, 19.1821,

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

11.8727, 19.1821, 12.9743

Protanopia

17.5226, 18.8189, 11.0964

Deuteranopia

19.1719, 18.9108, 13.7060



Tritanopia

14.9739, 19.2124, 28.1185

Trichromacy



Original Color

11.8727, 19.1821, 12.9743

Protanomaly

14.3267, 18.2625, 11.7867

Deuteranomaly

15.0537, 18.2267, 13.3144

Tritanomaly

13.5936, 19.0459, 21.6987

Monochromacy



Original Color

11.8727, 19.1821, 12.9743

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

11.9772, 15.1855, 14.1042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.8727, 19.1821, 12.9743 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(44, 137, 91)` looks like.

```
.text, #text, p{  
    color:rgb(44, 137, 91)  
}
```

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(44, 137, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 137, 91) }
```

Border

The CSS property to change the border of an element to XYZ 11.8727, 19.1821, 12.9743 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(44, 137, 91) }
```


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

```
.border{ border-color:rgb(44, 137, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 137, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 137, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 137, 91);  
box-shadow:4px 4px 4px 4px rgb(44, 137,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 11.8727, 19.1821, 12.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 137, 91) }
```

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

```
.background{ background-color: rgb(44, 137,  
91) }
```

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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