

Converting Colors

XYZ(21.1379, 36.5584, 19.1062)

Have a look what the booklet for
XYZ(21.1379, 36.5584, 19.1062)
contains.

XYZ(21.1843, 36.6981, 19.0636)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.1843, 36.6981,
19.0636)**

Conversions

Conversions Part 1

Format	Color
Hex	2EBA68
RGB	46, 186, 104
RGB Percent	18%, 73%, 41%
CMY	0.8196, 0.2706, 0.5921
CMYK	0.75, 0.00, 0.44, 0.27
HSL	145°, 60%, 45%
HSV	145°, 75%, 73%
XYZ	21.1843, 36.6981, 19.0636
YIQ	134.7920, -57.1180, -55.1820

Conversions

Conversions Part 2

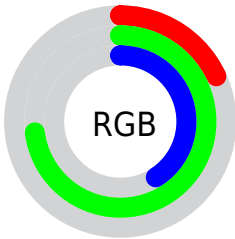
Format	Color
RYB	46, 145, 186
Decimal	3062376
CIELab	67.05, -54.82, 31.30
CIELCh	67, 63.128, 150.273
Yxy	36.6981, 0.2753, 0.4769
Android (android.graphics.Color)	4281252456 (0xFF2EBA68)
YUV	134.7920, -15.1805, -77.8706
Hunter-Lab	60.5790, -43.5922, 23.7473

Details

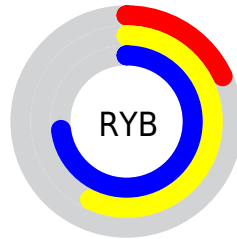
The XYZ color **21.1843, 36.6981, 19.0636** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.1241, 13.9523, 21.7923**, and the grayscale version is **23.0225, 24.2215, 26.3772**.

A 20% lighter version of the original color is **44.8614, 70.0122, 42.6018**, and **8.8059, 16.5084, 6.3368** is the 20% darker color. If you saturate the color by 10%, you get **20.0028, 36.1499, 16.3043**, and if you desaturate by 10%, it is **22.8020, 37.4649, 22.2182**.

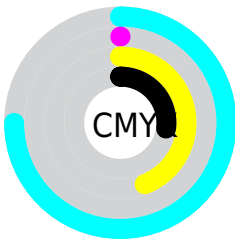
Distribution



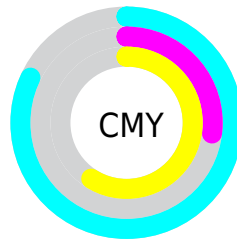
- Red (18%)
- Green (73%)
- Blue (41%)



- Red (18%)
- Yellow (57%)
- Blue (73%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)
- Black (27%)





- Cyan (82%)
- Magenta (27%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1843, 36.6981, 19.0636 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 21.1843, 36.6981, 19.0636 by changing the saturation by 10% instead.


 21.1843, 36.6981,
19.0636


 21.1843, 36.6981,
19.0636


250.9695,
332.0016, 259.2341


 13.3720, 24.9738,
11.5390


 44.8830, 70.1082,
42.6797


 7.7640, 16.0576,
6.3119

 61.5002, 92.5629,
59.6082


 3.9948, 9.5649,
2.9638


 81.7830, 119.3631,
80.5084

 1.6992, 5.1114,
1.0762

 106.0968,
150.8933, 105.7989

 0.4558, 2.3128,
0.0000

 134.8071,
187.5378, 135.8981

 0.0000, 0.7805,
0.0000

168.2790,

 0.0000, 0.0000,

229.6811, 171.2247

0.0000

206.8781,
277.7076, 212.1972

■ 21.1843, 36.6981,
19.0636

■ 21.1843, 36.6981,
19.0636

■ 20.0028, 36.1499,
16.3043

■ 22.8020, 37.4649,
22.2182

■ 19.2009, 35.7884,
13.9211

■ 24.8973, 38.4684,
25.7811

■ 18.9012, 35.6558,
12.9179

■ 27.5097, 39.7296,
29.7676

■ 30.6736, 41.2661,
34.1917

■ 34.4203, 43.0935,
39.0663

■ 38.7787, 45.2267,
44.4041

■ 43.7757, 47.6793,
50.2171

■ 49.4365, 50.4640,
56.5169

■ 55.7850, 53.5929,
63.3146

Harmonies

Analogous

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



26.3801, 36.6981, 9.4886



21.1843, 36.6981, 19.0636



19.4901, 36.6981, 40.2108

Triad

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



21.1843, 36.6981, 19.0636



34.9686, 36.6981, 119.5297



53.3677, 36.6981, 18.7981

Complementary

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



21.1843, 36.6981, 19.0636



25.1241, 13.9523, 21.7923

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.



56.7791, 36.6981, 39.7063



21.1843, 36.6981, 19.0636



45.0349, 36.6981, 105.1838

Square

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



21.1843, 36.6981, 19.0636



26.5070, 36.6981, 105.6655



53.4848, 36.6981, 72.3102



44.8542, 36.6981, 9.3922

Rectangle

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



21.1843, 36.6981, 19.0636



20.2759, 36.6981, 61.2102



53.4848, 36.6981, 72.3102



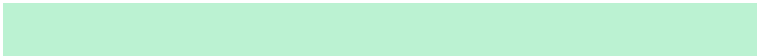
55.2121, 36.6981, 24.3007

Sweetspot

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



21.1852, 36.6996, 19.0644



63.7909, 78.7931, 72.5681



27.2592, 40.0625, 8.8812



13.4599, 17.0643, 15.2397



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



21.1852, 36.6996, 19.0644



35.2772, 65.0776, 26.7856



26.1331, 38.6787, 45.1197



9.0405, 10.1202, 10.3706



12.7511, 24.0014, 8.8773



0.4805, 0.8585, 0.4762

Inverse Universe

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



25.1241, 13.9523, 21.7923



42.6966, 21.8487, 31.6412



22.0433, 12.7200, 5.5688



9.2193, 9.0981, 10.5020



15.5164, 7.7803, 10.6061



0.5770, 0.2863, 0.5321

Previews

White Background



This preview shows how the XYZ color 21.1843, 36.6981, 19.0636 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 21.1843, 36.6981, 19.0636 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.1843, 36.6981, 19.0636

Background



This preview shows how black text looks on a background with the XYZ color 21.1843, 36.6981, 19.0636.



This preview shows how white text looks on a background with the XYZ color 21.1843, 36.6981,

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

21.1843, 36.6981, 19.0636

Protanopia

33.1174, 36.0140, 16.0324

Deuteranopia

36.5829, 35.9278, 20.0456



Tritanopia

28.2129, 36.5177, 54.2768

Trichromacy



Original Color

21.1843, 36.6981, 19.0636



Protanomaly

25.8208, 34.6748, 16.8873



Deuteranomaly

27.1582, 33.9306, 19.3052



Tritanomaly

24.9632, 36.3747, 38.5062

Monochromacy



Original Color

21.1843, 36.6981, 19.0636



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

20.7872, 27.4500, 23.2716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1843, 36.6981, 19.0636 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(46, 186, 104)` looks like.

```
.text, #text, p{  
    color:rgb(46, 186, 104)  
}
```

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(46, 186, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 186, 104) }
```

Border

The CSS property to change the border of an element to XYZ 21.1843, 36.6981, 19.0636 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(46, 186, 104) }
```


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

```
.border{ border-color:rgb(46, 186, 104) }
```

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

Here you see how a box with a 4 pixel `rgb(46, 186, 104)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 186, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 186, 104);  
box-shadow:4px 4px 4px 4px rgb(46, 186,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1843, 36.6981, 19.0636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 186, 104) }
```

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

```
.background{ background-color: rgb(46, 186,  
104) }
```

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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