

Converting Colors

XYZ(19.8062, 35.9639, 16.6142)

Have a look what the booklet for
XYZ(19.8062, 35.9639, 16.6142)
contains.

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Color

**XYZ(19.8739, 36.0726,
16.7417)**

Conversions

Conversions Part 1

Format	Color
Hex	12BA5F
RGB	18, 186, 95
RGB Percent	7%, 73%, 37%
CMY	0.9294, 0.2706, 0.6274
CMYK	0.90, 0.00, 0.49, 0.27
HSL	147°, 82%, 40%
HSV	147°, 90%, 73%
XYZ	19.8739, 36.0726, 16.7417
YIQ	125.3940, -70.9170, -63.9170

Conversions

Conversions Part 2

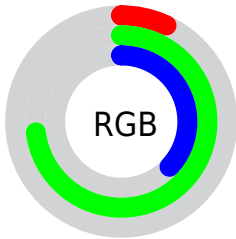
Format	Color
RYB	18, 133, 186
Decimal	1227359
CIELab	66.58, -59.16, 35.23
CIElCh	67, 68.852, 149.229
Yxy	36.0726, 0.2734, 0.4963
Android (android.graphics.Color)	4279417439 (0xFF12BA5F)
YUV	125.3940, -14.9842, -94.1845
Hunter-Lab	60.0605, -46.0405, 25.5154

Details

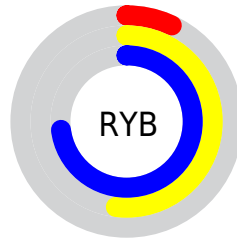
The XYZ color **19.8739, 36.0726, 16.7417** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **23.2275, 11.9766, 15.5573**, and the grayscale version is **19.6932, 20.7188, 22.5627**.

A 20% lighter version of the original color is **42.5726, 68.9171, 38.6623**, and **8.6094, 16.4299, 5.3023** is the 20% darker color. If you saturate the color by 10%, you get **19.2092, 35.7790, 14.5399**, and if you desaturate by 10%, it is **20.8623, 36.5267, 19.3364**.

Distribution



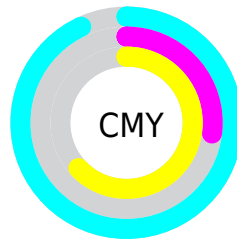
- Red (7%)
- Green (73%)
- Blue (37%)



- Red (7%)
- Yellow (52%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (49%)
- Black (27%)





- Cyan (93%)
- Magenta (27%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.8739, 36.0726, 16.7417 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 19.8739, 36.0726, 16.7417 by changing the saturation by 10% instead.


 19.8739, 36.0726,
16.7417


 19.8739, 36.0726,
16.7417


244.0782,
329.2778, 245.6728


 12.4111, 24.4903,
9.8905

 42.7112, 69.1441,
38.6657

 7.0985, 15.6977,
5.2218


 58.8165, 91.4021,
54.5755


 3.5707, 9.3105,
2.3169


 78.5333, 117.9874,
74.3420

 1.4622, 4.9443,
0.7407

 102.2271,
149.2844, 98.3837

 0.2999, 2.2146,
0.0000

 130.2631,
185.6776, 127.1190

 0.0000, 0.7279,
0.0000

163.0067,

 0.0000, 0.0000,

227.5513, 160.9666

0.0000

200.8233,
275.2898, 200.3451

■ 19.8739, 36.0726,
16.7417

■ 19.8739, 36.0726,
16.7417

■ 19.2092, 35.7790,
14.5399

■ 20.8623, 36.5267,
19.3364

■ 22.2498, 37.1785,
22.2694

■ 24.0851, 38.0538,
25.5544

■ 26.4086, 39.1733,
29.2034

■ 29.2562, 40.5552,
33.2277

■ 32.6601, 42.2159,
37.6381

■ 36.6499, 44.1704,
42.4450

■ 41.2530, 46.4328,
47.6582

■ 46.4950, 49.0160,
53.2873

Harmonies

Analogous

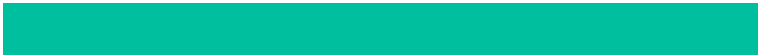
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



25.4588, 36.0726, 7.5830



19.8739, 36.0726, 16.7417



17.9906, 36.0726, 38.5154

Triad

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



19.8739, 36.0726, 16.7417



34.0190, 36.0726, 128.2507



54.7459, 36.0726, 17.5050

Complementary

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



19.8739, 36.0726, 16.7417



23.2275, 11.9766, 15.5573

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.



58.2779, 36.0726, 40.0484



19.8739, 36.0726, 16.7417



44.9485, 36.0726, 112.9453

Square

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



19.8739, 36.0726, 16.7417



25.0806, 36.0726, 111.4023



54.3811, 36.0726, 76.2383



45.5061, 36.0726, 7.8420

Rectangle

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



19.8739, 36.0726, 16.7417



18.7213, 36.0726, 61.1926



54.3811, 36.0726, 76.2383



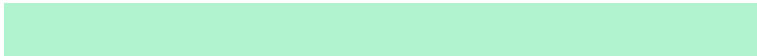
56.7136, 36.0726, 23.3398

Sweetspot

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



19.8748, 36.0741, 16.7425



61.1627, 77.4780, 70.6474



24.1496, 38.5038, 6.7317



12.9545, 16.8103, 14.9210



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.



19.8748, 36.0741, 16.7425



34.6974, 64.8015, 25.7262



25.8052, 38.4462, 47.9717



9.0569, 10.1267, 10.4572



12.9598, 24.0849, 9.9762



0.4882, 0.8616, 0.5165

Inverse Universe

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



23.2275, 11.9766, 15.5573



40.8156, 20.5662, 23.3701



20.6579, 10.9487, 2.0257



9.2026, 9.0914, 10.4141



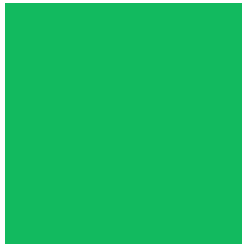
15.2337, 7.6673, 9.1177



0.5679, 0.2826, 0.4838

Previews

White Background



This preview shows how the XYZ color 19.8739, 36.0726, 16.7417 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 19.8739, 36.0726, 16.7417 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 19.8739, 36.0726, 16.7417

Background



This preview shows how black text looks on a background with the XYZ color 19.8739, 36.0726, 16.7417.



This preview shows how white text looks on a background with the XYZ color 19.8739, 36.0726,

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

19.8739, 36.0726, 16.7417

Protanopia

32.5560, 35.5087, 13.9421

Deuteranopia

35.8317, 35.0992, 17.7182



Tritanopia

27.4921, 36.1461, 54.2431

Trichromacy



Original Color

19.8739, 36.0726, 16.7417



Protanomaly

23.7856, 33.3927, 14.6430



Deuteranomaly

24.8086, 32.4975, 17.0217



Tritanomaly

23.6538, 35.7391, 36.6620

Monochromacy



Original Color

19.8739, 36.0726, 16.7417



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

17.3087, 24.0608, 19.6515

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8739, 36.0726, 16.7417 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(18, 186, 95)` looks like.

```
.text, #text, p{  
    color:rgb(18, 186, 95)  
}
```

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(18, 186, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(18, 186, 95) }
```

Border

The CSS property to change the border of an element to XYZ 19.8739, 36.0726, 16.7417 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(18, 186, 95) }
```


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

```
.border{ border-color:rgb(18, 186, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(18, 186, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(18, 186, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(18, 186, 95);  
box-shadow:4px 4px 4px 4px rgb(18, 186,  
95) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8739, 36.0726, 16.7417 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(18, 186, 95) }
```

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

```
.background{ background-color: rgb(18, 186,  
95) }
```

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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