

Converting Colors

XYZ(19.2619, 33.9948, 12.9828)

Have a look what the booklet for
XYZ(19.2619, 33.9948, 12.9828)
contains.

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Color

**XYZ(19.2539, 33.9913,
12.9433)**

Conversions

Conversions Part 1

Format	Color
Hex	36B44F
RGB	54, 180, 79
RGB Percent	21%, 71%, 31%
CMY	0.7882, 0.2941, 0.6902
CMYK	0.70, 0.00, 0.56, 0.29
HSL	132°, 54%, 46%
HSV	132°, 70%, 71%
XYZ	19.2539, 33.9913, 12.9433
YIQ	130.8120, -42.6750, -58.1230

Conversions

Conversions Part 2

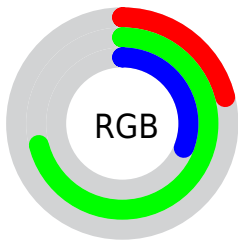
Format	Color
RYB	54, 159, 180
Decimal	3585103
CIELab	64.96, -55.30, 41.24
CIELCh	65, 68.982, 143.285
Yxy	33.9913, 0.2909, 0.5136
Android (android.graphics.Color)	4281775183 (0xFF36B44F)
YUV	130.8120, -25.5433, -67.3641
Hunter-Lab	58.3021, -43.0801, 27.6488

Details

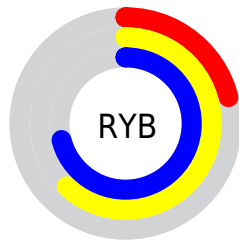
The XYZ color **19.2539, 33.9913, 12.9433** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **26.0590, 14.7089, 32.4772**, and the grayscale version is **21.6063, 22.7315, 24.7546**.

A 20% lighter version of the original color is **41.7170, 65.9890, 32.0112**, and **7.6705, 15.0055, 3.5907** is the 20% darker color. If you saturate the color by 10%, you get **17.9914, 33.3957, 10.4343**, and if you desaturate by 10%, it is **20.9895, 34.8196, 16.0710**.

Distribution



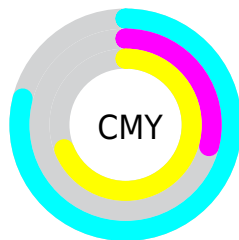
- Red (21%)
- Green (71%)
- Blue (31%)



- Red (21%)
- Yellow (62%)
- Blue (71%)



- Cyan (70%)
- Magenta (0%)
- Yellow (56%)
- Black (29%)





- Cyan (79%)
- Magenta (29%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.2539, 33.9913, 12.9433 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 19.2539, 33.9913, 12.9433 by changing the saturation by 10% instead.


 19.2539, 33.9913,
12.9433


 19.2539, 33.9913,
12.9433


240.7582,
320.0933, 221.7490


 11.9590, 22.8869,
7.2592


 41.6763, 65.9201,
31.8916


 6.7877, 14.5100,
3.5439


 57.5344, 87.5134,
45.9929

 3.3749, 8.4762,
1.3786


 76.9777, 113.3717,
63.7370

 1.3550, 4.4012,
0.1249

 100.3714,
143.8795, 85.5425

 0.2238, 1.9004,
0.0000

 128.0810,
179.4212, 111.8279

 0.0000, 0.5486,
0.0000

160.4717,

 0.0000, 0.0000,

220.3811, 143.0118

0.0000

197.9090,
267.1436, 179.5126

■ 19.2539, 33.9913,
12.9433

■ 19.2539, 33.9913,
12.9433

■ 17.9914, 33.3957,
10.4343

■ 20.9895, 34.8196,
16.0710

■ 17.1503, 33.0040,
8.5005

■ 23.2380, 35.8974,
19.8525

■ 16.6360, 32.7695,
7.0948

■ 26.0374, 37.2445,
24.3230

■ 16.6360, 32.7695,
7.0947

■ 29.4217, 38.8778,
29.5144

■ 33.4220, 40.8126,
35.4567

■ 38.0671, 43.0633,
42.1782

■ 43.3840, 45.6431,
49.7057

■ 49.3982, 48.5648,
58.0647

■ 56.1338, 51.8401,
67.2795

Harmonies

Analogous

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



25.3101, 33.9913, 6.0256



19.2539, 33.9913, 12.9433



16.7703, 33.9913, 30.9577

Triad

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



19.2539, 33.9913, 12.9433



30.1186, 33.9913, 122.6325



53.2967, 33.9913, 19.2810

Complementary

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



19.2539, 33.9913, 12.9433



26.0590, 14.7089, 32.4772

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.



55.3169, 33.9913, 43.8054



19.2539, 33.9913, 12.9433



40.4891, 33.9913, 113.7589

Square

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



19.2539, 33.9913, 12.9433



22.1534, 33.9913, 100.7261



50.2294, 33.9913, 80.4637



45.1696, 33.9913, 8.1484

Rectangle

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



19.2539, 33.9913, 12.9433



17.0178, 33.9913, 51.1063



50.2294, 33.9913, 80.4637



54.7730, 33.9913, 25.7791

Sweetspot

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



19.2547, 33.9927, 12.9441



59.5449, 73.4888, 62.7409



30.8735, 40.0685, 9.5971



12.4296, 15.6705, 12.9108



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



19.2547, 33.9927, 12.9441



31.7030, 60.1219, 16.8878



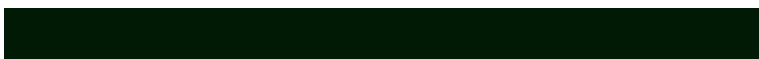
22.5846, 35.3246, 30.4788



8.4556, 9.5167, 9.3930



11.6302, 22.8780, 5.0553



0.3861, 0.7279, 0.2654

Inverse Universe

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



26.0590, 14.7089, 32.4772



44.7143, 22.9137, 53.9925



22.1584, 13.1486, 11.9368



8.7763, 8.6172, 10.3205



16.6897, 8.1934, 19.3236



0.5436, 0.2652, 0.7051

Previews

White Background



This preview shows how the XYZ color 19.2539, 33.9913, 12.9433 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 19.2539, 33.9913, 12.9433 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 19.2539, 33.9913, 12.9433

Background



This preview shows how black text looks on a background with the XYZ color 19.2539, 33.9913, 12.9433.



This preview shows how white text looks on a background with the XYZ color 19.2539, 33.9913,

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

19.2539, 33.9913, 12.9433

Protanopia

30.4603, 33.4661, 10.9851

Deuteranopia

33.9536, 33.2594, 13.6470



Tritanopia

26.5730, 33.7733, 49.9181

Trichromacy



Original Color

19.2539, 33.9913, 12.9433



Protanomaly

23.9311, 32.1641, 11.6036



Deuteranomaly

25.1555, 31.4444, 13.1310



Tritanomaly

22.8784, 33.3873, 32.0266

Monochromacy



Original Color

19.2539, 33.9913, 12.9433



Achromatopsia

21.5731, 22.6966, 24.7166



Achromatomaly

19.2656, 25.5483, 19.2451

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.2539, 33.9913, 12.9433 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(54, 180, 79)` looks like.

```
.text, #text, p{  
    color:rgb(54, 180, 79)  
}
```

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(54, 180, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 180, 79) }
```

Border

The CSS property to change the border of an element to XYZ 19.2539, 33.9913, 12.9433 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(54, 180, 79) }
```


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

```
.border{ border-color:rgb(54, 180, 79) }
```

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

Here you see how a box with a 4 pixel rgb(54, 180, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 180, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 180, 79);  
box-shadow:4px 4px 4px 4px rgb(54, 180,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 19.2539, 33.9913, 12.9433 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 180, 79) }
```

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

```
.background{ background-color: rgb(54, 180,  
79) }
```

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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