

Converting Colors

XYZ(19.5058, 33.6348, 14.4468)

Have a look what the booklet for
XYZ(19.5058, 33.6348, 14.4468)
contains.

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Color

**XYZ(19.4443, 33.4587,
14.4502)**

Conversions

Conversions Part 1

Format	Color
Hex	3BB257
RGB	59, 178, 87
RGB Percent	23%, 70%, 34%
CMY	0.7686, 0.3019, 0.6588
CMYK	0.67, 0.00, 0.51, 0.30
HSL	134°, 50%, 46%
HSV	134°, 67%, 70%
XYZ	19.4443, 33.4587, 14.4502
YIQ	132.0450, -41.7130, -53.5290

Conversions

Conversions Part 2

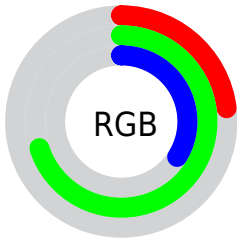
Format	Color
RYB	59, 155, 178
Decimal	3912279
CIELab	64.53, -52.50, 36.83
CIELCh	65, 64.130, 144.949
Yxy	33.4587, 0.2887, 0.4968
Android (android.graphics.Color)	4282102359 (0xFF3BB257)
YUV	132.0450, -22.2072, -64.0605
Hunter-Lab	57.8435, -41.2227, 25.6789

Details

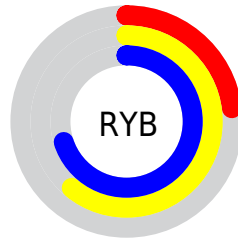
The XYZ color **19.4443, 33.4587, 14.4502** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **25.4300, 14.7954, 30.3703**, and the grayscale version is **22.0374, 23.1851, 25.2485**.

A 20% lighter version of the original color is **42.1143, 65.2738, 34.8056**, and **7.5575, 14.5552, 4.2448** is the 20% darker color. If you saturate the color by 10%, you get **18.0591, 32.8039, 11.7514**, and if you desaturate by 10%, it is **21.2957, 34.3436, 17.7197**.

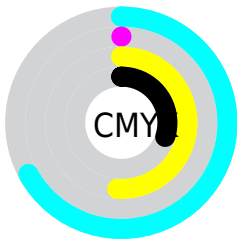
Distribution



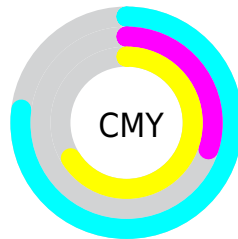
- Red (23%)
- Green (70%)
- Blue (34%)



- Red (23%)
- Yellow (61%)
- Blue (70%)



- Cyan (67%)
- Magenta (0%)
- Yellow (51%)
- Black (30%)





- Cyan (77%)
- Magenta (30%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.4443, 33.4587, 14.4502 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 19.4443, 33.4587, 14.4502 by changing the saturation by 10% instead.


 19.4443, 33.4587,
14.4502


 19.4443, 33.4587,
14.4502


241.7820,
317.7116, 231.5388


 12.0977, 22.4781,
8.2921


 41.9946, 65.0910,
34.6143


 6.8829, 14.2086,
4.1920


 57.9290, 86.5115,
49.4574


 3.4347, 8.2659,
1.7313


 77.4567, 112.1807,
68.0326

 1.3876, 4.2656,
0.3820

 100.9430,
142.4830, 90.7584

 0.2473, 1.8232,
0.0000

 128.7534,
177.8029, 118.0534

 0.0000, 0.5016,
0.0000

161.2531,

 0.0000, 0.0000,

218.5247, 150.3361

0.0000

198.8075,
265.0328, 188.0251

■ 19.4443, 33.4587,
14.4502

■ 19.4443, 33.4587,
14.4502

■ 18.0591, 32.8039,
11.7514

■ 21.2957, 34.3436,
17.7197

■ 17.0934, 32.3529,
9.5882

■ 23.6492, 35.4738,
21.5879

■ 16.4876, 32.0768,
7.9245

■ 26.5400, 36.8675,
26.0836

■ 16.3369, 32.0084,
7.4969

■ 29.9993, 38.5404,
31.2331

■ 34.0558, 40.5068,
37.0612

■ 38.7364, 42.7801,
43.5914

■ 44.0663, 45.3727,
50.8460

■ 50.0691, 48.2964,
58.8465

■ 56.7676, 51.5625,
67.6132

Harmonies

Analogous

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



24.9308, 33.4587, 7.1531



19.4443, 33.4587, 14.4502



17.2768, 33.4587, 32.1650

Triad

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



19.4443, 33.4587, 14.4502



30.2749, 33.4587, 113.3980



50.6093, 33.4587, 19.0166

Complementary

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



19.4443, 33.4587, 14.4502



25.4300, 14.7954, 30.3703

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.



52.7887, 33.4587, 41.0580



19.4443, 33.4587, 14.4502



39.8310, 33.4587, 104.0429

Square

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



19.4443, 33.4587, 14.4502



22.7148, 33.4587, 95.3513



48.5235, 33.4587, 73.7915



43.0362, 33.4587, 8.7619

Rectangle

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



19.4443, 33.4587, 14.4502



17.6308, 33.4587, 51.0662



48.5235, 33.4587, 73.7915



52.0517, 33.4587, 24.8987

Sweetspot

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



19.4451, 33.4601, 14.4510



59.0608, 72.1465, 63.3725



29.3316, 38.6643, 10.0548



12.6312, 15.7641, 13.3885



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.



19.4451, 33.4601, 14.4510



31.8653, 59.0715, 19.4159



22.9340, 34.8556, 32.8231



8.4682, 9.5218, 9.4593



11.7097, 22.9099, 5.4741



0.3913, 0.7300, 0.2926

Inverse Universe

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



25.4300, 14.7954, 30.3703



43.4049, 22.7971, 49.8978



21.8018, 13.3441, 11.2642



8.7628, 8.6118, 10.2494



16.3477, 8.0566, 17.5226



0.5352, 0.2618, 0.6610

Previews

White Background



This preview shows how the XYZ color 19.4443, 33.4587, 14.4502 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 19.4443, 33.4587, 14.4502 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 19.4443, 33.4587, 14.4502

Background



This preview shows how black text looks on a background with the XYZ color 19.4443, 33.4587, 14.4502.



This preview shows how white text looks on a background with the XYZ color 19.4443, 33.4587,

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

19.4443, 33.4587, 14.4502

Protanopia

29.9272, 32.6651, 12.1248

Deuteranopia

33.3945, 32.6974, 15.3776



Tritanopia

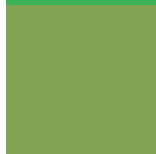
26.3676, 33.4162, 48.7763

Trichromacy



Original Color

19.4443, 33.4587, 14.4502



Protanomaly

23.8261, 31.5494, 12.8165



Deuteranomaly

25.3144, 31.2317, 14.8193



Tritanomaly

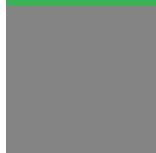
23.0796, 33.1894, 32.7935

Monochromacy



Original Color

19.4443, 33.4587, 14.4502



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.7255, 25.7591, 20.4554

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4443, 33.4587, 14.4502 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(59, 178, 87)` looks like.

```
.text, #text, p{  
    color:rgb(59, 178, 87)  
}
```

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(59, 178, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(59, 178, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.4443, 33.4587, 14.4502 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(59, 178, 87) }
```


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

```
.border{ border-color:rgb(59, 178, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(59, 178, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(59, 178, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(59, 178, 87);  
box-shadow:4px 4px 4px 4px rgb(59, 178,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4443, 33.4587, 14.4502 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(59, 178, 87) }
```

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

```
.background{ background-color: rgb(59, 178,  
87) }
```

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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