

Converting Colors

XYZ(19.5501, 34.1108, 14.4996)

Have a look what the booklet for
XYZ(19.5501, 34.1108, 14.4996)
contains.

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Color

**XYZ(19.5629, 34.1149,
14.5706)**

Conversions

Conversions Part 1

Format	Color
Hex	36B457
RGB	54, 180, 87
RGB Percent	21%, 71%, 34%
CMY	0.7882, 0.2941, 0.6588
CMYK	0.70, 0.00, 0.52, 0.29
HSL	136°, 54%, 46%
HSV	136°, 70%, 71%
XYZ	19.5629, 34.1149, 14.5706
YIQ	131.7240, -45.2430, -55.6350

Conversions

Conversions Part 2

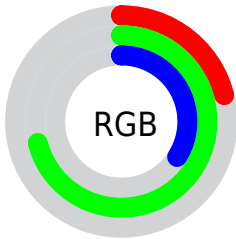
Format	Color
RYB	54, 154, 180
Decimal	3585111
CIELab	65.05, -54.16, 37.45
CIElCh	65, 65.844, 145.336
Yxy	34.1149, 0.2866, 0.4999
Android (android.graphics.Color)	4281775191 (0xFF36B457)
YUV	131.7240, -22.0489, -68.1639
Hunter-Lab	58.4080, -42.4279, 26.0949

Details

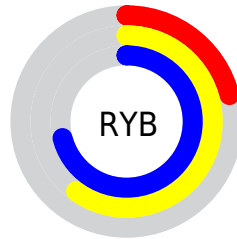
The XYZ color **19.5629, 34.1149, 14.5706** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **25.4091, 14.4489, 29.0545**, and the grayscale version is **21.9220, 23.0637, 25.1164**.

A 20% lighter version of the original color is **42.2805, 66.2144, 34.9783**, and **7.8107, 15.0616, 4.3292** is the 20% darker color. If you saturate the color by 10%, you get **18.2760, 33.5095, 11.9334**, and if you desaturate by 10%, it is **21.3088, 34.9473, 17.7524**.

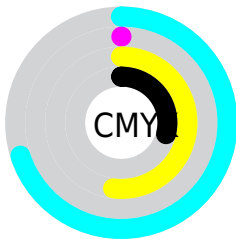
Distribution



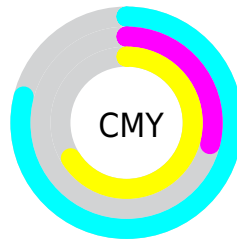
- Red (21%)
- Green (71%)
- Blue (34%)



- Red (21%)
- Yellow (60%)
- Blue (71%)



- Cyan (70%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)



- Cyan (79%)
- Magenta (29%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.5629, 34.1149, 14.5706 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 19.5629, 34.1149, 14.5706 by changing the saturation by 10% instead.

■ 19.5629, 34.1149,
14.5706

■ 19.5629, 34.1149,
14.5706

242.4178,
320.6441, 232.3028

■ 12.1841, 22.9819,
8.3753

■ 42.1927, 66.1123,
34.8297

■ 6.9423, 14.5801,
4.2448

■ 58.1744, 87.7455,
49.7306

■ 3.4720, 8.5252,
1.7606

■ 77.7545, 113.6475,
68.3704

■ 1.4080, 4.4328,
0.4018

■ 101.2983,
144.2028, 91.1677

■ 0.2619, 1.9185,
0.0000

■ 129.1712,
179.7957, 118.5411

■ 0.0000, 0.5595,
0.0000

161.7385,

■ 0.0000, 0.0000,

220.8106, 150.9090

0.0000

199.3656,
267.6319, 188.6901

■ 19.5629, 34.1149,
14.5706

■ 19.5629, 34.1149,
14.5706

■ 18.2760, 33.5095,
11.9334

■ 21.3088, 34.9473,
17.7524

■ 17.3984, 33.1032,
9.8075

■ 23.5517, 36.0228,
21.5047

■ 16.8379, 32.8502,
8.1580

■ 26.3283, 37.3608,
25.8547

■ 16.8379, 32.8502,
8.1579

■ 29.6710, 38.9775,
30.8271

■ 33.6097, 40.8876,
36.4452

■ 38.1720, 43.1052,
42.7310

■ 43.3839, 45.6431,
49.7056

■ 49.2698, 48.5134,
57.3890

■ 55.8529, 51.7278,
65.8006

Harmonies

Analogous

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



25.1957, 34.1149, 7.0307



19.5629, 34.1149, 14.5706



17.3703, 34.1149, 33.0377

Triad

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



19.5629, 34.1149, 14.5706



30.9573, 34.1149, 117.8969



51.9774, 34.1149, 18.9029

Complementary

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



19.5629, 34.1149, 14.5706



25.4091, 14.4489, 29.0545

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.



54.3446, 34.1149, 41.5800



19.5629, 34.1149, 14.5706



40.9201, 34.1149, 107.6757

Square

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



19.5629, 34.1149, 14.5706



23.0759, 34.1149, 99.2276



49.9623, 34.1149, 75.7249



44.0099, 34.1149, 8.5341

Rectangle

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



19.5629, 34.1149, 14.5706



17.7638, 34.1149, 52.8341



49.9623, 34.1149, 75.7249



53.5134, 34.1149, 24.9174

Sweetspot

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



19.5637, 34.1163, 14.5714



59.9026, 73.6319, 64.6248



29.2917, 39.2531, 9.5230



12.5139, 15.7043, 13.3550



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.



19.5637, 34.1163, 14.5714



32.1857, 60.3149, 19.4295



23.2285, 35.5822, 33.8699



8.4773, 9.5254, 9.5073



11.7755, 22.9362, 5.8204



0.3950, 0.7315, 0.3122

Inverse Universe

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



25.4091, 14.4489, 29.0545



43.3533, 22.3693, 46.8257



21.8021, 13.0061, 10.0607



8.7531, 8.6080, 10.1983



16.1135, 7.9629, 16.2893



0.5294, 0.2595, 0.6303

Previews

White Background



This preview shows how the XYZ color 19.5629, 34.1149, 14.5706 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 19.5629, 34.1149, 14.5706 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 19.5629, 34.1149, 14.5706

Background



This preview shows how black text looks on a background with the XYZ color 19.5629, 34.1149, 14.5706.



This preview shows how white text looks on a background with the XYZ color 19.5629, 34.1149,

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

19.5629, 34.1149, 14.5706

Protanopia

30.7018, 33.5627, 12.2572

Deuteranopia

34.2071, 33.5861, 15.5063



Tritanopia

26.6683, 34.0996, 49.9761

Trichromacy



Original Color

19.5629, 34.1149, 14.5706



Protanomaly

24.1840, 32.2653, 12.9358



Deuteranomaly

25.6611, 31.9252, 14.9349



Tritanomaly

23.3054, 33.8661, 33.3255

Monochromacy



Original Color

19.5629, 34.1149, 14.5706



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.6088, 25.6989, 20.4499

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5629, 34.1149, 14.5706 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(54, 180, 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(54, 180, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 180, 87) }
```

Border

The CSS property to change the border of an element to XYZ 19.5629, 34.1149, 14.5706 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, 87) }
```


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

```
.border{ border-color:rgb(54, 180, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 180, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 180, 87);  
box-shadow:4px 4px 4px 4px rgb(54, 180,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 19.5629, 34.1149, 14.5706 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, 87) }
```

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

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