

Converting Colors

XYZ(19.5823, 36.2079, 5.9567)

Have a look what the booklet for
XYZ(19.5823, 36.2079, 5.9567)
contains.

XYZ(19.5455, 36.1419, 5.9459)	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(19.5455, 36.1419,
5.9459)**

Conversions

Conversions Part 1

Format	Color
Hex	3EBA00
RGB	62, 186, 0
RGB Percent	24%, 73%, 0%
CMY	0.7569, 0.2706, 0.9999
CMYK	0.67, 0.00, 1.00, 0.27
HSL	100°, 100%, 36%
HSV	100°, 100%, 73%
XYZ	19.5455, 36.1419, 5.9459
YIQ	127.7200, -14.1980, -84.1340

Conversions

Conversions Part 2

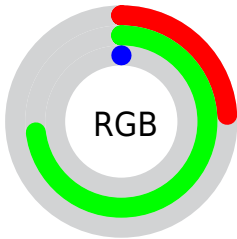
Format	Color
RYB	0, 186, 124
Decimal	4110848
CIELab	66.63, -61.03, 66.58
CIELCh	67, 90.323, 132.508
Yxy	36.1419, 0.3171, 0.5864
Android (android.graphics.Color)	4282300928 (0xFF3EBA00)
YUV	127.7200, -62.9660, -57.6364
Hunter-Lab	60.1181, -47.1731, 36.2187

Details

The XYZ color **19.5455, 36.1419, 5.9459** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **17.1788, 7.8324, 47.0627**, and the grayscale version is **20.6370, 21.7118, 23.6441**.

A 20% lighter version of the original color is **42.1781, 69.1633, 18.3346**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **19.5455, 36.1430, 5.9461**, and if you desaturate by 10%, it is **20.5290, 36.6368, 6.5888**.

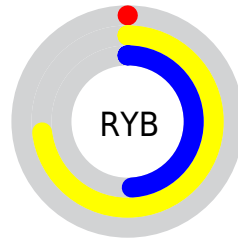
Distribution



Red (24%)

Green (73%)

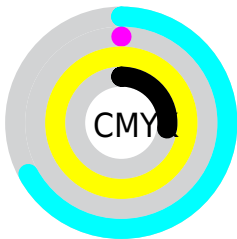
Blue (0%)



Red (0%)

Yellow (73%)

Blue (49%)

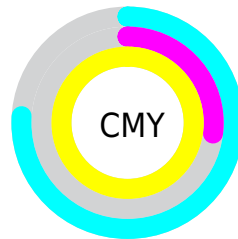


Cyan (67%)

Magenta (0%)

Yellow (100%)

Black (27%)



Cyan (76%)


Magenta (27%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 19.5455, 36.1419, 5.9459 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 19.5455, 36.1419, 5.9459 by changing the saturation by 10% instead.


 19.5455, 36.1419,
5.9459


 19.5455, 36.1419,
5.9459


242.3246,
329.5803, 167.8767


 12.1714, 24.5438,
2.7440


 42.1636, 69.2510,
18.2942


 6.9336, 15.7375,
0.9654

 58.1384, 91.5309,
28.2777


 3.4666, 9.3386,
0.0000


 77.7108, 118.1400,
41.3587

 1.4050, 4.9627,
0.0000

 101.2462,
149.4630, 57.9559

 0.2598, 2.2254,
0.0000

 129.1099,
185.8841, 78.4877

 0.0000, 0.7338,
0.0000

 161.6673,

 0.0000, 0.0000,

227.7878, 103.3728

0.0000

199.2838,
275.5584, 133.0296

■ 19.5455, 36.1419,
5.9459

■ 19.5455, 36.1419,
5.9459

■ 19.5455, 36.1430,
5.9461

■ 20.5290, 36.6368,
6.5888

■ 21.8091, 37.2710,
7.8129

■ 23.4370, 38.0672,
9.8307

■ 25.4419, 39.0383,
12.7471

■ 27.8496, 40.1956,
16.6513

■ 30.6831, 41.5492,
21.6212

■ 33.9637, 43.1087,
27.7275

■ 37.7110, 44.8826,
35.0345

■ 41.9434, 46.8793,
43.6017

Harmonies

Analogous

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



28.9966, 36.1419, 2.1770



19.5455, 36.1419, 5.9459



14.9681, 36.1419, 20.8698

Triad

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



19.5455, 36.1419, 5.9459



27.0799, 36.1419, 162.6111



66.7054, 36.1419, 25.2655

Complementary

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



19.5455, 36.1419, 5.9459



17.1788, 7.8324, 47.0627

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.



65.7941, 36.1419, 66.4095



19.5455, 36.1419, 5.9459



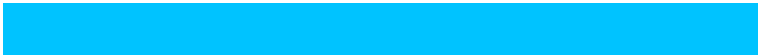
40.3288, 36.1419, 166.9874

Square

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



19.5455, 36.1419, 5.9459



18.4628, 36.1419, 114.6888



55.2104, 36.1419, 124.3372



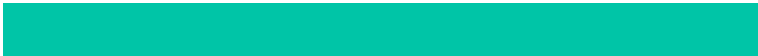
57.4447, 36.1419, 7.3493

Rectangle

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



19.5455, 36.1419, 5.9459



14.2981, 36.1419, 42.7197



55.2104, 36.1419, 124.3372



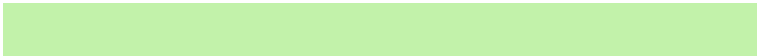
67.6362, 36.1419, 36.1668

Sweetspot

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



19.5463, 36.1434, 5.9467



61.2377, 77.9816, 49.6442



27.4593, 24.8570, 3.3511



12.9123, 16.9006, 9.8526



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.



19.5463, 36.1434, 5.9467



35.1971, 65.3907, 10.7666



17.8074, 35.2184, 7.1567



9.1648, 10.2016, 9.5930



13.2210, 24.3520, 4.0036



0.5335, 0.8932, 0.1443

Inverse Universe

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



17.1788, 7.8324, 47.0627



30.8670, 14.0568, 85.2878



26.1676, 12.8067, 32.1057



9.0823, 9.0088, 11.3396



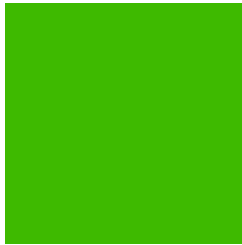
11.6381, 5.3109, 31.6648



0.4730, 0.2195, 1.1192

Previews

White Background



This preview shows how the XYZ color 19.5455, 36.1419, 5.9459 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 19.5455, 36.1419, 5.9459 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

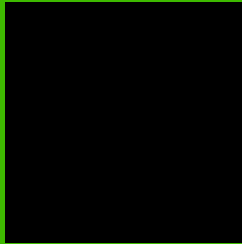
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 19.5455, 36.1419, 5.9459

Background



This preview shows how black text looks on a background with the XYZ color 19.5455, 36.1419, 5.9459.



This preview shows how white text looks on a background with the XYZ color 19.5455, 36.1419,

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

19.5455, 36.1419, 5.9459

Protanopia

31.8009, 35.3135, 5.1401

Deuteranopia

36.1146, 35.4855, 6.8654



Tritanopia

28.8430, 36.0164, 52.4454

Trichromacy



Original Color

19.5455, 36.1419, 5.9459

Protanomaly

24.8560, 34.1527, 5.2821

Deuteranomaly

26.3931, 33.5598, 6.0063

Tritanomaly

22.9063, 35.0575, 23.0123

Monochromacy



Original Color

19.5455, 36.1419, 5.9459

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

17.9416, 25.0320, 11.6706

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.5455, 36.1419, 5.9459 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(62, 186, 0)` looks like.

```
.text, #text, p{  
    color:rgb(62, 186, 0)  
}
```

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(62, 186, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 186, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.5455, 36.1419, 5.9459 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(62, 186, 0) }
```


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

```
.border{ border-color:rgb(62, 186, 0) }
```

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

Here you see how a box with a 4 pixel rgb(62, 186, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 186, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 186, 0);  
box-shadow:4px 4px 4px 4px rgb(62, 186, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 19.5455, 36.1419, 5.9459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 186, 0) }
```

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

```
.background{ background-color: rgb(62, 186,  
0) }
```

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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