

Converting Colors

XYZ(20.2318, 36.5086, 6.5493)

Have a look what the booklet for
XYZ(20.2318, 36.5086, 6.5493)
contains.

XYZ(20.1939, 36.4636, 6.5461)	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(20.1939, 36.4636,
6.5461)**

Conversions

Conversions Part 1

Format	Color
Hex	46BA12
RGB	70, 186, 18
RGB Percent	27%, 73%, 7%
CMY	0.7255, 0.2706, 0.9294
CMYK	0.62, 0.00, 0.90, 0.27
HSL	101°, 82%, 40%
HSV	101°, 90%, 73%
XYZ	20.1939, 36.4636, 6.5461
YIQ	132.1640, -15.2080, -76.8400

Conversions

Conversions Part 2

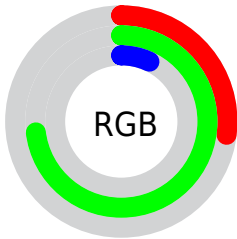
Format	Color
RYB	18, 186, 134
Decimal	4635154
CIELab	66.87, -58.86, 64.53
CIELCh	67, 87.343, 132.365
Yxy	36.4636, 0.3195, 0.5769
Android (android.graphics.Color)	4282825234 (0xFF46BA12)
YUV	132.1640, -56.2829, -54.5178
Hunter-Lab	60.3851, -45.9802, 35.8422

Details

The XYZ color **20.1939, 36.4636, 6.5461** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **18.9139, 9.0480, 47.2060**, and the grayscale version is **22.1936, 23.3493, 25.4274**.

A 20% lighter version of the original color is **43.1665, 69.6468, 19.5556**, and **8.1163, 16.2326, 2.7054** is the 20% darker color. If you saturate the color by 10%, you get **19.2792, 36.0058, 5.9337**, and if you desaturate by 10%, it is **21.4411, 37.0824, 7.7461**.

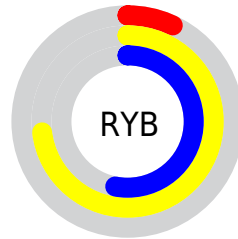
Distribution



Red (27%)

Green (73%)

Blue (7%)



Red (7%)

Yellow (73%)

Blue (53%)

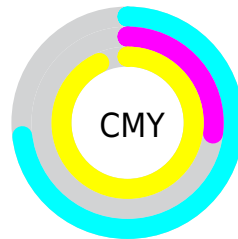


Cyan (62%)

Magenta (0%)

Yellow (90%)

Black (27%)



Cyan (73%)


Magenta (27%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 20.1939, 36.4636, 6.5461 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 20.1939, 36.4636, 6.5461 by changing the saturation by 10% instead.


 20.1939, 36.4636,
6.5461


 20.1939, 36.4636,
6.5461


245.7765,
330.9823, 173.3222


 12.6452, 24.7925,
3.1058


 43.2435, 69.7470,
19.5512


 7.2600, 15.9225,
1.1489


 59.4751, 92.1281,
29.9530


 3.6730, 9.4693,
0.0000


 79.3316, 118.8479,
43.5124

 1.5188, 5.0486,
0.0000

 103.1785,
150.2909, 60.6480

 0.3386, 2.2758,
0.0000

 131.3811,
186.8415, 81.7782

 0.0000, 0.7608,
0.0000

 164.3047,

 0.0000, 0.0000,

228.8839, 107.3216

0.0000

202.3147,
276.8028, 137.6968

■ 20.1939, 36.4636,
6.5461

■ 20.1939, 36.4636,
6.5461

■ 19.2792, 36.0058,
5.9337

■ 21.4411, 37.0824,
7.7461

■ 23.0455, 37.8671,
9.7358

■ 25.0388, 38.8329,
12.6215

■ 27.4477, 39.9915,
16.4929

■ 30.2965, 41.3539,
21.4284

■ 33.6074, 42.9298,
27.4987

■ 37.4011, 44.7285,
34.7685

■ 41.6968, 46.7587,
43.2975

■ 46.5127, 49.0285,
53.1414

Harmonies

Analogous

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



29.4934, 36.4636, 2.5966



20.1939, 36.4636, 6.5461



15.6367, 36.4636, 21.4781

Triad

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



20.1939, 36.4636, 6.5461



27.5123, 36.4636, 157.3619



65.8939, 36.4636, 26.0628

Complementary

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



20.1939, 36.4636, 6.5461



18.9139, 9.0480, 47.2060

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.



64.9699, 36.4636, 66.0964



20.1939, 36.4636, 6.5461



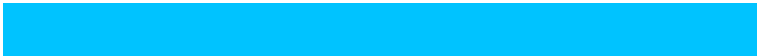
40.3918, 36.4636, 161.7405

Square

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



20.1939, 36.4636, 6.5461



19.0628, 36.4636, 111.7503



54.7666, 36.4636, 121.4533



57.0393, 36.4636, 8.0748

Rectangle

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



20.1939, 36.4636, 6.5461



14.9567, 36.4636, 42.7842



54.7666, 36.4636, 121.4533



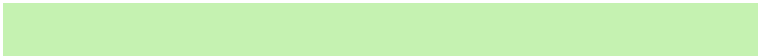
66.7696, 36.4636, 36.7727

Sweetspot

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



20.1947, 36.4651, 6.5469



62.7946, 78.7029, 53.3943



28.7209, 27.2054, 4.3102



13.3351, 17.0975, 10.8280



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.



20.1947, 36.4651, 6.5469



34.7258, 65.1478, 10.7445



18.3598, 35.4682, 8.7632



9.1448, 10.1913, 9.5920



13.0385, 24.2579, 3.9950



0.5251, 0.8889, 0.1439

Inverse Universe

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



18.9139, 9.0480, 47.2060



32.0606, 14.6721, 85.3436



26.4007, 13.2460, 32.2661



9.1032, 9.0196, 11.3406



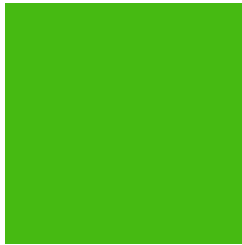
12.0758, 5.5365, 31.6853



0.4860, 0.2263, 1.1198

Previews

White Background



This preview shows how the XYZ color 20.1939, 36.4636, 6.5461 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 20.1939, 36.4636, 6.5461 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

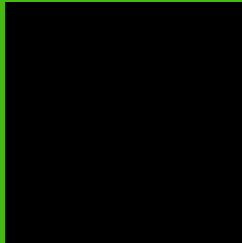
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 20.1939, 36.4636, 6.5461

Background



This preview shows how black text looks on a background with the XYZ color 20.1939, 36.4636, 6.5461.



This preview shows how white text looks on a background with the XYZ color 20.1939, 36.4636,

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

20.1939, 36.4636, 6.5461

Protanopia

32.2172, 35.7879, 5.2384

Deuteranopia

36.4378, 35.6461, 7.1504



Tritanopia

29.3927, 36.2998, 52.4711

Trichromacy



Original Color

20.1939, 36.4636, 6.5461



Protanomaly

25.5858, 34.8039, 5.5703



Deuteranomaly

27.2472, 33.9886, 6.5632



Tritanomaly

23.9027, 35.5208, 25.3351

Monochromacy



Original Color

20.1939, 36.4636, 6.5461



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

19.4232, 26.4630, 13.9817

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1939, 36.4636, 6.5461 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(70, 186, 18)` looks like.

```
.text, #text, p{  
    color:rgb(70, 186, 18)  
}
```

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(70, 186, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 186, 18) }
```

Border

The CSS property to change the border of an element to XYZ 20.1939, 36.4636, 6.5461 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(70, 186, 18) }
```


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

```
.border{ border-color:rgb(70, 186, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 186, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 186, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 186, 18);  
box-shadow:4px 4px 4px 4px rgb(70, 186,  
18) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1939, 36.4636, 6.5461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 186, 18) }
```

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

```
.background{ background-color: rgb(70, 186,  
18) }
```

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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