

Converting Colors

XYZ(36.4390, 71.8394, 13.3386)

Have a look what the booklet for
XYZ(36.4390, 71.8394, 13.3386)
contains.

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Color

**XYZ(36.4216, 71.8310,
13.3116)**

Conversions

Conversions Part 1

Format	Color
Hex	19FF20
RGB	25, 255, 32
RGB Percent	10%, 100%, 13%
CMY	0.9020, 0.0000, 0.8745
CMYK	0.90, 0.00, 0.87, 0.00
HSL	122°, 100%, 55%
HSV	122°, 90%, 100%
XYZ	36.4216, 71.8310, 13.3116
YIQ	160.8080, -65.4970, -118.1130

Conversions

Conversions Part 2

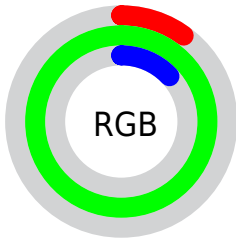
Format	Color
R_{YB}	25, 248, 255
Decimal	1703712
CIE _{Lab}	87.89, -84.62, 79.85
CIE _{LCh}	88, 116.348, 136.660
Yxy	71.8310, 0.2996, 0.5909
Android (android.graphics.Color)	4279893792 (0xFF19FF20)
YUV	160.8080, -63.5023, -119.1036
Hunter-Lab	84.7532, -71.6099, 50.0149

Details

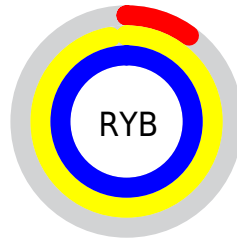
The XYZ color **36.4216, 71.8310, 13.3116** is a dark color, and the websafe version is hex **00FF00**. The color can be described as dark washed green. A complement of this color would be **58.5284, 28.7315, 91.2548**, and the grayscale version is **34.0952, 35.8708, 39.0633**.

A 20% lighter version of the original color is **46.4705, 76.7644, 24.9381**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8026, 71.5370, 12.1444**, and if you desaturate by 10%, it is **37.8321, 72.5037, 15.8373**.

Distribution



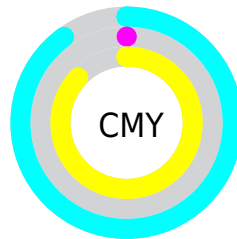
- Red (10%)
- Green (100%)
- Blue (13%)



- Red (10%)
- Yellow (97%)
- Blue (100%)



- Cyan (90%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)




- Cyan (90%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.4216, 71.8310, 13.3116 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 36.4216, 71.8310, 13.3116 by changing the saturation by 10% instead.


 36.4216, 71.8310,
13.3116


 36.4216, 71.8310,
13.3116


322.1987,
466.9532, 224.1826


 24.9316, 53.0206,
7.5102


 69.0019, 121.8162,
32.5618

 16.1546, 37.8192,
3.6999


 90.8230, 153.7599,
46.8477


 9.7251, 25.8424,
1.4622


 116.8184,
190.8501, 64.7989

 5.2780, 16.7058,
0.1895

 147.3535,
233.4712, 86.8339

 2.4477, 10.0250,
0.0000

 182.7938,
282.0077, 113.3712

 0.8689, 5.4155,
0.0000

 223.5045,

 0.0000, 2.4931,

336.8439, 144.8294

0.0000

269.8510,
398.3643, 181.6271

■ 0.0000, 0.8732,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4216, 71.8310,
13.3116

■ 36.4216, 71.8310,
13.3116


■ 35.8026, 71.5370,
12.1444


■ 37.8321, 72.5037,
15.8373


■ 40.2429, 73.6575,
19.9715


■ 43.7938, 75.3600,
25.9230

■ 48.6024, 77.6680,
33.8683

 54.7716, 80.6313,
43.9632

 62.3936, 84.2943,
56.3480

 71.5526, 88.6978,
71.1511

 82.3265, 93.8793,
88.4914

94.7878, 99.8738,
108.4800

Harmonies

Analogous

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



54.1244, 71.8310, 4.2141



36.4216, 71.8310, 13.3116



28.4794, 71.8310, 48.0529

Triad

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



36.4216, 71.8310, 13.3116



56.7157, 71.8310, 339.9909



133.0012, 71.8310, 42.1486

Complementary

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



36.4216, 71.8310, 13.3116



58.5284, 28.7315, 91.2548

Split Complementary

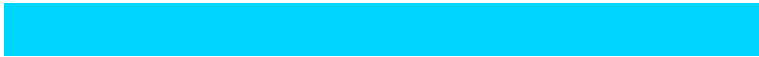
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



134.2498, 71.8310, 118.9116



36.4216, 71.8310, 13.3116



84.6950, 71.8310, 333.9399

Square

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



36.4216, 71.8310, 13.3116



37.8745, 71.8310, 249.6746



114.7531, 71.8310, 236.3810



111.6986, 71.8310, 11.4846

Rectangle

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



36.4216, 71.8310, 13.3116



27.8824, 71.8310, 97.2531



114.7531, 71.8310, 236.3810



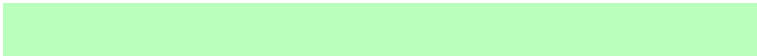
135.9470, 71.8310, 61.8337

Sweetspot

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



36.4218, 71.8310, 13.3127



65.1503, 85.6195, 60.8110



75.7792, 92.1304, 14.7086



13.3158, 18.0237, 11.9976



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.4218, 71.8310, 13.3127



35.8026, 71.5370, 12.1444



41.1821, 73.7352, 38.3804



17.7940, 20.1771, 19.2183



18.7173, 37.3835, 6.3968



1.8300, 3.6429, 0.6625

Inverse Universe

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



58.5284, 28.7315, 91.2548



58.0627, 27.9891, 90.5170



46.0434, 23.7375, 25.5095



18.7673, 18.2902, 22.6579



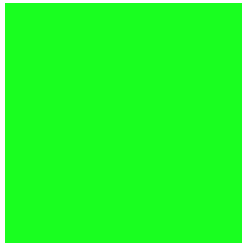
30.3497, 14.6292, 47.3536



2.9623, 1.4273, 4.6488

Previews

White Background



This preview shows how the XYZ color 36.4216, 71.8310, 13.3116 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 36.4216, 71.8310, 13.3116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

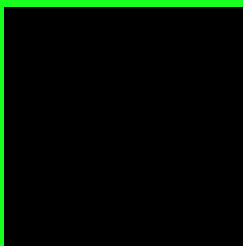
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.4216, 71.8310, 13.3116

Background



This preview shows how black text looks on a background with the XYZ color 36.4216, 71.8310, 13.3116.



This preview shows how white text looks on a background with the XYZ color 36.4216, 71.8310,

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

36.4216, 71.8310, 13.3116

Protanopia

63.4551, 70.3029, 10.8415

Deuteranopia

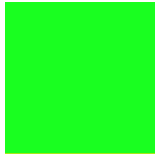
69.6451, 69.8929, 36.6080



Tritanopia

55.1157, 70.8557, 105.3794

Trichromacy



Original Color

36.4216, 71.8310, 13.3116



Protanomaly

44.7474, 65.8862, 11.2230



Deuteranomaly

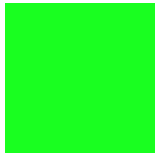
46.7624, 64.5956, 23.1003



Tritanomaly

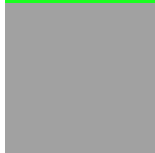
43.1702, 68.9510, 51.0780

Monochromacy



Original Color

36.4216, 71.8310, 13.3116



Achromatopsia

33.8758, 35.6400, 38.8120



Achromatomaly

29.2345, 43.6899, 22.8118

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4216, 71.8310, 13.3116 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(25, 255, 32)` looks like.

```
.text, #text, p{  
    color:rgb(25, 255, 32)  
}
```

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(25, 255, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(25, 255, 32) }
```

Border

The CSS property to change the border of an element to XYZ 36.4216, 71.8310, 13.3116 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(25, 255, 32) }
```


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

```
.border{ border-color:rgb(25, 255, 32) }
```

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

Here you see how a box with a 4 pixel rgb(25, 255, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(25, 255, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(25, 255, 32);  
box-shadow:4px 4px 4px 4px rgb(25, 255,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 36.4216, 71.8310, 13.3116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(25, 255, 32) }
```

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

```
.background{ background-color: rgb(25, 255,  
32) }
```

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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