

Converting Colors

XYZ(31.9512, 55.6060, 36.1340)

Have a look what the booklet for
XYZ(31.9512, 55.6060, 36.1340)
contains.

XYZ(31.8690, 55.3995, 36.2076)	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(31.8690, 55.3995,
36.2076)**

Conversions

Conversions Part 1

Format	Color
Hex	02E092
RGB	2, 224, 146
RGB Percent	1%, 88%, 57%
CMY	0.9921, 0.1216, 0.4274
CMYK	0.99, 0.00, 0.35, 0.12
HSL	159°, 98%, 44%
HSV	159°, 99%, 88%
XYZ	31.8690, 55.3995, 36.2076
YIQ	148.7300, -107.2740, -71.3220

Conversions

Conversions Part 2

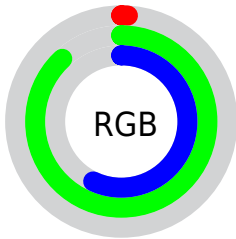
Format	Color
RYB	2, 137, 224
Decimal	188562
CIELab	79.27, -63.29, 25.70
CIELCh	79, 68.308, 157.901
Yxy	55.3995, 0.2581, 0.4487
Android (android.graphics.Color)	4278378642 (0xFF02E092)
YUV	148.7300, -1.3459, -128.6822
Hunter-Lab	74.4308, -53.8258, 23.2594

Details

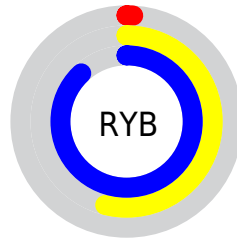
The XYZ color **31.8690, 55.3995, 36.2076** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **32.2125, 16.4714, 9.0760**, and the grayscale version is **28.4952, 29.9791, 32.6473**.

A 20% lighter version of the original color is **52.2487, 78.8159, 67.1028**, and **15.8843, 28.4637, 15.4833** is the 20% darker color. If you saturate the color by 10%, you get **31.7899, 55.3666, 35.9170**, and if you desaturate by 10%, it is **32.8657, 55.8416, 39.5629**.

Distribution



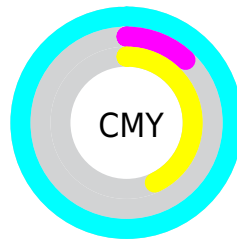
- Red (1%)
- Green (88%)
- Blue (57%)



- Red (1%)
- Yellow (54%)
- Blue (88%)



- Cyan (99%)
- Magenta (0%)
- Yellow (35%)
- Black (12%)





- Cyan (99%)
- Magenta (12%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.8690, 55.3995, 36.2076 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 31.8690, 55.3995, 36.2076 by changing the saturation by 10% instead.


 31.8690, 55.3995,
36.2076


 31.8690, 55.3995,
36.2076


302.2780,
407.4245, 344.9318

 21.4165, 39.7217,
24.3036


 61.9722, 98.1260,
70.5250


 13.5430, 27.3216,
15.3447


 82.3537, 125.9435,
93.7755


 7.8831, 17.8149,
8.9124

 106.7756,
158.5764, 121.6453

 4.0714, 10.8172,
4.5880

 135.6032,
196.4089, 154.5528

 1.7426, 5.9440,
1.9532

 169.2019,
239.8257, 192.9167

 0.4827, 2.8111,
0.5263

207.9370,

 0.0000, 1.0339,

289.2109, 237.1555

0.0000

252.1739,
344.9490, 287.6877

■ 0.0000, 0.0000,
0.0000

■ 31.8690, 55.3995,
36.2076

■ 31.8690, 55.3995,
36.2076

■ 31.7899, 55.3666,
35.9170

■ 32.8657, 55.8416,
39.5629

■ 34.3198, 56.5130,
43.1629

■ 36.3463, 57.4745,
47.0181

■ 39.0175, 58.7632,
51.1361

■ 42.3944, 60.4104,
55.5237

■ 46.5308, 62.4438,
60.1871

■ 51.4750, 64.8883,
65.1325

■ 57.2714, 67.7666,
70.3655

■ 63.9607, 71.0998,
75.8917

Harmonies

Analogous

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



38.1072, 55.3995, 18.2937



31.8690, 55.3995, 36.2076



30.6813, 55.3995, 71.2675

Triad

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



31.8690, 55.3995, 36.2076



56.3507, 55.3995, 169.7791



76.2302, 55.3995, 24.8962

Complementary

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



31.8690, 55.3995, 36.2076



32.2125, 16.4714, 9.0760

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.



83.2064, 55.3995, 50.5564



31.8690, 55.3995, 36.2076



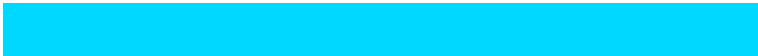
70.5027, 55.3995, 141.3182

Square

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



31.8690, 55.3995, 36.2076



43.3758, 55.3995, 160.3617



80.9466, 55.3995, 93.2922



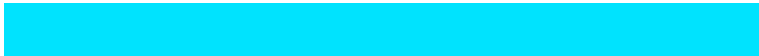
63.1726, 55.3995, 14.0103

Rectangle

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



31.8690, 55.3995, 36.2076



32.6800, 55.3995, 102.8322



80.9466, 55.3995, 93.2922



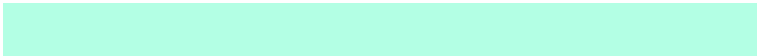
79.4587, 55.3995, 31.5143

Sweetspot

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



31.8704, 55.4017, 36.2089



68.2551, 86.6523, 86.6133



30.2719, 55.1757, 9.1126



13.9888, 18.2401, 17.9297



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.



31.8704, 55.4017, 36.2089



42.5876, 74.2510, 47.8735



32.8628, 44.1598, 77.3152



13.9013, 15.4863, 16.5158



18.5598, 32.2488, 21.2027



1.3284, 2.2521, 1.6906

Inverse Universe

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



32.2125, 16.4714, 9.0760



43.0687, 21.9915, 11.5597



31.2591, 16.8651, 1.6659



13.9051, 13.7797, 15.2706



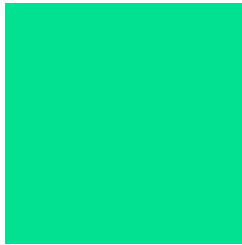
18.7580, 9.5702, 5.3912



1.3416, 0.6799, 0.5919

Previews

White Background



This preview shows how the XYZ color 31.8690, 55.3995, 36.2076 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 31.8690, 55.3995, 36.2076 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

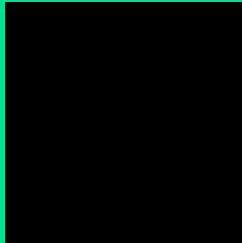
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.8690, 55.3995, 36.2076

Background



This preview shows how black text looks on a background with the XYZ color 31.8690, 55.3995, 36.2076.



This preview shows how white text looks on a background with the XYZ color 31.8690, 55.3995,

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

31.8690, 55.3995, 36.2076

Protanopia

50.6127, 54.5726, 30.0563

Deuteranopia

55.2816, 54.2046, 38.1207



Tritanopia

41.6123, 55.4824, 84.1173

Trichromacy



Original Color

31.8690, 55.3995, 36.2076



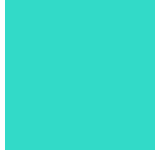
Protanomaly

36.6504, 51.1285, 31.9819



Deuteranomaly

37.9172, 49.5627, 36.8463



Tritanomaly

36.8121, 54.9910, 63.3177

Monochromacy



Original Color

31.8690, 55.3995, 36.2076



Achromatopsia

28.5667, 30.0544, 32.7292



Achromatomaly

25.6945, 35.6756, 33.5488

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.8690, 55.3995, 36.2076 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(2, 224, 146)` looks like.

```
.text, #text, p{  
    color:rgb(2, 224, 146)  
}
```

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(2, 224, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 224, 146) }
```

Border

The CSS property to change the border of an element to XYZ 31.8690, 55.3995, 36.2076 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(2, 224, 146) }
```


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

```
.border{ border-color:rgb(2, 224, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 224, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 224, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 224, 146);  
box-shadow:4px 4px 4px 4px rgb(2, 224,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 31.8690, 55.3995, 36.2076 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 224, 146) }
```

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

```
.background{ background-color: rgb(2, 224,  
146) }
```

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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