

Converting Colors

XYZ(35.2761, 62.9099, 22.8509)

Have a look what the booklet for
XYZ(35.2761, 62.9099, 22.8509)
contains.

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Color

**XYZ(35.2810, 62.8673,
22.8455)**

Conversions

Conversions Part 1

Format	Color
Hex	47ED66
RGB	71, 237, 102
RGB Percent	28%, 93%, 40%
CMY	0.7216, 0.0706, 0.6000
CMYK	0.70, 0.00, 0.57, 0.07
HSL	131°, 82%, 60%
HSV	131°, 70%, 93%
XYZ	35.2810, 62.8673, 22.8455
YIQ	171.9760, -55.6010, -77.1770

Conversions

Conversions Part 2

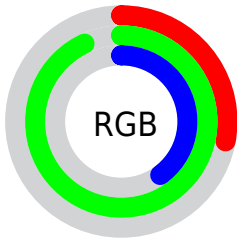
Format	Color
RYB	71, 211, 237
Decimal	4713830
CIELab	83.37, -68.99, 52.49
CIELCh	83, 86.688, 142.736
Yxy	62.8673, 0.2916, 0.5196
Android (android.graphics.Color)	4282903910 (0xFF47ED66)
YUV	171.9760, -34.4982, -88.5560
Hunter-Lab	79.2889, -59.3288, 38.4190

Details

The XYZ color **35.2810, 62.8673, 22.8455** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted spring green. A complement of this color would be **48.3206, 26.9682, 61.0522**, and the grayscale version is **39.3912, 41.4426, 45.1310**.

A 20% lighter version of the original color is **52.4082, 79.4093, 44.0178**, and **16.8548, 32.8559, 8.2498** is the 20% darker color. If you saturate the color by 10%, you get **33.0226, 61.8027, 18.3177**, and if you desaturate by 10%, it is **38.4421, 64.3751, 28.5782**.

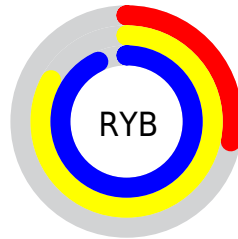
Distribution



Red (28%)

Green (93%)

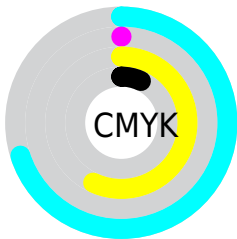
Blue (40%)



Red (28%)

Yellow (83%)

Blue (93%)

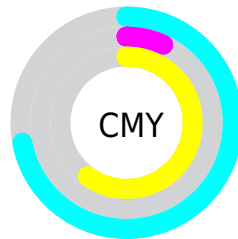


Cyan (70%)

Magenta (0%)

Yellow (57%)

Black (7%)



Cyan (72%)


Magenta (7%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.2810, 62.8673, 22.8455 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 35.2810, 62.8673, 22.8455 by changing the saturation by 10% instead.


 35.2810, 62.8673,
22.8455


 35.2810, 62.8673,
22.8455


317.2932,
435.0877, 280.0266


 24.0469, 45.7339,
14.2752


 67.2520, 108.9780,
49.0595


 15.4934, 32.0359,
8.1714


 88.7197, 138.7241,
67.5403

 9.2549, 21.3889,
4.1155


 114.3292,
173.4432, 90.1617

 4.9663, 13.4086,
1.6889

 144.4461,
213.5198, 117.3422

 2.2620, 7.7105,
0.3531

179.4356,
259.3381, 149.5005

 0.7751, 3.9103,
0.0000

219.6630,

 0.0000, 1.6235,

311.2826, 187.0549

0.0000

265.4938,
369.7377, 230.4241

■ 0.0000, 0.3734,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 35.2810, 62.8673,
22.8455

■ 35.2810, 62.8673,
22.8455

■ 33.0226, 61.8027,
18.3177

■ 38.4421, 64.3751,
28.5782


■ 31.5627, 61.1242,
14.9043


■ 42.5858, 66.3604,
35.5893


■ 30.7450, 60.7547,
12.5153


■ 47.7884, 68.8627,
43.9513

■ 54.1169, 71.9153,
53.7299

 61.6331, 75.5487,
64.9869

 70.3941, 79.7911,
77.7800

 80.4533, 84.6688,
92.1641

 89.5754, 89.0509,
107.0751

Harmonies

Analogous

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



46.7999, 62.8673, 10.3856



35.2810, 62.8673, 22.8455



30.5066, 62.8673, 56.1372

Triad

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



35.2810, 62.8673, 22.8455



55.2828, 62.8673, 231.9050



99.8483, 62.8673, 35.6355

Complementary

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



35.2810, 62.8673, 22.8455



48.3206, 26.9682, 61.0522

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.



103.4506, 62.8673, 82.4472



35.2810, 62.8673, 22.8455



74.9006, 62.8673, 215.9540

Square

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



35.2810, 62.8673, 22.8455



40.3686, 62.8673, 188.9102



93.5272, 62.8673, 152.6042



84.5221, 62.8673, 14.5888

Rectangle

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



35.2810, 62.8673, 22.8455



30.8924, 62.8673, 94.0086



93.5272, 62.8673, 152.6042



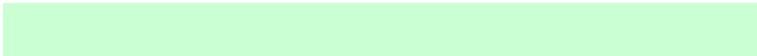
102.5857, 62.8673, 48.0053

Sweetspot

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



35.2825, 62.8699, 22.8469



71.7831, 88.7258, 75.2673



57.0351, 74.2294, 17.2831



14.8160, 18.7257, 15.2944



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.



35.2825, 62.8699, 22.8469



38.1444, 72.5785, 19.7447



41.5816, 65.3895, 56.0176



14.9832, 16.9081, 16.5946



16.8201, 33.1825, 7.0176



1.3531, 2.6186, 0.7213

Inverse Universe

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



48.3206, 26.9682, 61.0522



54.2913, 27.7382, 66.7799



40.7907, 23.9563, 21.4003



15.5871, 15.2627, 18.3771



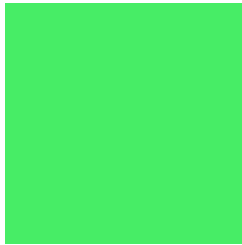
24.3529, 11.9438, 28.7233



1.9435, 0.9504, 2.4197

Previews

White Background



This preview shows how the XYZ color 35.2810, 62.8673, 22.8455 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 35.2810, 62.8673, 22.8455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

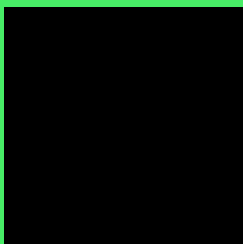
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

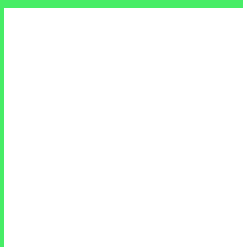
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.2810, 62.8673, 22.8455

Background



This preview shows how black text looks on a background with the XYZ color 35.2810, 62.8673, 22.8455.



This preview shows how white text looks on a background with the XYZ color 35.2810, 62.8673,

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

35.2810, 62.8673, 22.8455

Protanopia

56.3162, 61.5733, 19.0419

Deuteranopia

62.8654, 61.3676, 24.1545



Tritanopia

49.2043, 62.7036, 92.7288

Trichromacy



Original Color

35.2810, 62.8673, 22.8455



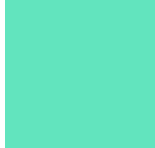
Protanomaly

43.9374, 59.2409, 20.1852



Deuteranomaly

46.3043, 58.1318, 23.2481



Tritanomaly

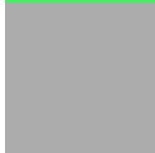
42.0747, 61.8012, 58.4265

Monochromacy



Original Color

35.2810, 62.8673, 22.8455



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.9981, 46.7373, 34.7804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.2810, 62.8673, 22.8455 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(71, 237, 102)` looks like.

```
.text, #text, p{  
    color:rgb(71, 237, 102)  
}
```

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(71, 237, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 237, 102) }
```

Border

The CSS property to change the border of an element to XYZ 35.2810, 62.8673, 22.8455 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(71, 237, 102) }
```


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

```
.border{ border-color:rgb(71, 237, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 237, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 237, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 237, 102);  
box-shadow:4px 4px 4px 4px rgb(71, 237,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 35.2810, 62.8673, 22.8455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 237, 102) }
```

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

```
.background{ background-color: rgb(71, 237,  
102) }
```

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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