

Converting Colors

XYZ(22.0471, 36.3995, 10.5664)

Have a look what the booklet for
XYZ(22.0471, 36.3995, 10.5664)
contains.

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Color

**XYZ(22.0471, 36.3995,
10.5664)**

Conversions

Conversions Part 1

Format	Color
Hex	5AB73F
RGB	90, 183, 63
RGB Percent	35%, 72%, 25%
CMY	0.6471, 0.2823, 0.7529
CMYK	0.51, 0.00, 0.66, 0.28
HSL	107°, 49%, 48%
HSV	107°, 66%, 72%
XYZ	22.0471, 36.3995, 10.5664
YIQ	141.5130, -16.9080, -57.0360

Conversions

Conversions Part 2

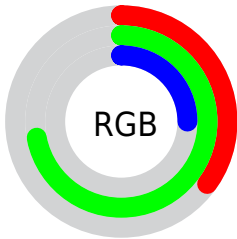
Format	Color
RYB	63, 183, 156
Decimal	5945151
CIELab	66.82, -49.79, 50.89
CIELCh	67, 71.195, 134.371
Yxy	36.3995, 0.3195, 0.5274
Android (android.graphics.Color)	4284135231 (0xFF5AB73F)
YUV	141.5130, -38.7069, -45.1769
Hunter-Lab	60.3320, -40.3518, 31.8485

Details

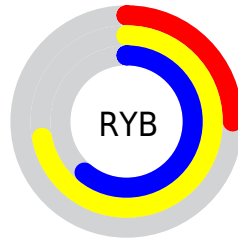
The XYZ color **22.0471, 36.3995, 10.5664** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **24.0371, 14.0431, 46.2454**, and the grayscale version is **25.6723, 27.0092, 29.4130**.

A 20% lighter version of the original color is **46.3451, 69.7842, 27.5500**, and **8.2269, 15.8947, 2.6344** is the 20% darker color. If you saturate the color by 10%, you get **20.3681, 35.5846, 8.2478**, and if you desaturate by 10%, it is **24.1611, 37.4212, 13.7941**.

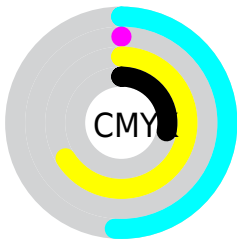
Distribution



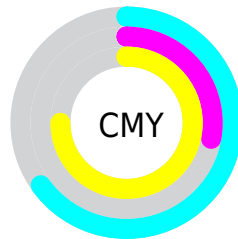
- Red (35%)
- Green (72%)
- Blue (25%)



- Red (25%)
- Yellow (72%)
- Blue (61%)



- Cyan (51%)
- Magenta (0%)
- Yellow (66%)
- Black (28%)



- Cyan (65%)
- Magenta (28%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0471, 36.3995, 10.5664 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 22.0471, 36.3995, 10.5664 by changing the saturation by 10% instead.

■ 22.0471, 36.3995,
10.5664

■ 22.0471, 36.3995,
10.5664

255.4199,
330.7033, 205.2976

■ 14.0083, 24.7429,
5.6656

■ 46.3021, 69.6482,
27.4798

■ 8.2082, 15.8856,
2.5774

■ 63.2490, 92.0092,
40.3295

■ 4.2814, 9.4432,
0.8807

■ 83.8960, 118.7070,
56.6659

■ 1.8625, 5.0314,
0.0000

■ 108.6085,
150.1261, 76.9076

■ 0.5549, 2.2657,
0.0000

■ 137.7518,
186.6509, 101.4731

■ 0.0000, 0.7555,
0.0000

171.6912,

■ 0.0000, 0.0000,

228.6658, 130.7809

0.0000

210.7921,
276.5551, 165.2495

■ 22.0471, 36.3995,
10.5664

■ 22.0471, 36.3995,
10.5664

■ 20.3681, 35.5846,
8.2478

■ 24.1611, 37.4212,
13.7941

■ 19.0889, 34.9572,
6.7424

■ 26.7365, 38.6582,
18.0090

■ 18.1718, 34.5013,
5.9343

■ 29.8005, 40.1242,
23.2839

■ 17.8555, 34.3434,
5.6879

■ 33.3776, 41.8303,
29.6839

■ 37.4903, 43.7869,
37.2688

■ 42.1599, 46.0036,
46.0942

■ 47.4065, 48.4898,
56.2124

■ 53.2492, 51.2542,
67.6723

■ 59.7061, 54.3052,
80.5207

Harmonies

Analogous

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



29.7096, 36.3995, 5.4780



22.0471, 36.3995, 10.5664



18.2468, 36.3995, 25.7115

Triad

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



22.0471, 36.3995, 10.5664



29.3144, 36.3995, 128.5147



58.7702, 36.3995, 26.6659

Complementary

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



22.0471, 36.3995, 10.5664



24.0371, 14.0431, 46.2454

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.



58.6028, 36.3995, 57.8445



22.0471, 36.3995, 10.5664



39.9922, 36.3995, 129.2547

Square

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



22.0471, 36.3995, 10.5664



21.8098, 36.3995, 97.2179



51.1832, 36.3995, 98.9026



51.6019, 36.3995, 10.9525

Rectangle

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



22.0471, 36.3995, 10.5664



17.7903, 36.3995, 44.3241



51.1832, 36.3995, 98.9026



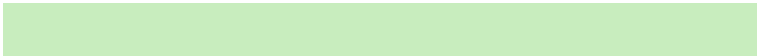
59.6105, 36.3995, 35.2849

Sweetspot

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



22.0480, 36.4010, 10.5672



63.5151, 76.6939, 60.0107



32.1486, 33.8705, 9.5464



13.5798, 16.7258, 12.4297



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



22.0480, 36.4010, 10.5672



35.3076, 63.1565, 13.3247



21.0501, 35.7516, 16.6186



9.0743, 10.1550, 9.5887



12.5060, 23.9834, 3.9701



0.4954, 0.8736, 0.1425

Inverse Universe

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



24.0371, 14.0431, 46.2454



38.9465, 19.9899, 82.0414



26.8932, 15.8576, 30.9231



9.1780, 9.0581, 11.3441



13.7858, 6.4180, 31.7653



0.5354, 0.2517, 1.1221

Previews

White Background



This preview shows how the XYZ color 22.0471, 36.3995, 10.5664 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 22.0471, 36.3995, 10.5664 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 22.0471, 36.3995, 10.5664

Background



This preview shows how black text looks on a background with the XYZ color 22.0471, 36.3995, 10.5664.



This preview shows how white text looks on a background with the XYZ color 22.0471, 36.3995,

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

22.0471, 36.3995, 10.5664

Protanopia

32.7149, 35.9598, 9.0876

Deuteranopia

36.5447, 35.8584, 11.1261



Tritanopia

30.1299, 36.1393, 51.2865

Trichromacy



Original Color

22.0471, 36.3995, 10.5664



Protanomaly

27.3769, 35.3611, 9.5201



Deuteranomaly

29.0265, 34.8135, 10.8200



Tritanomaly

25.9634, 35.5863, 30.6997

Monochromacy



Original Color

22.0471, 36.3995, 10.5664



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

23.2060, 29.5171, 20.0971

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0471, 36.3995, 10.5664 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(90, 183, 63)` looks like.

```
.text, #text, p{  
    color:rgb(90, 183, 63)  
}
```

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(90, 183, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 183, 63) }
```

Border

The CSS property to change the border of an element to XYZ 22.0471, 36.3995, 10.5664 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(90, 183, 63) }
```


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

```
.border{ border-color:rgb(90, 183, 63) }
```

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

Here you see how a box with a 4 pixel rgb(90, 183, 63) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 183, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 183, 63);  
box-shadow:4px 4px 4px 4px rgb(90, 183,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0471, 36.3995, 10.5664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 183, 63) }
```

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

```
.background{ background-color: rgb(90, 183,  
63) }
```

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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