

Converting Colors

XYZ(30.9917, 44.5755, 22.2023)

Have a look what the booklet for
XYZ(30.9917, 44.5755, 22.2023)
contains.

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Color

**XYZ(31.0439, 44.6357,
22.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	7EC370
RGB	126, 195, 112
RGB Percent	49%, 76%, 44%
CMY	0.5059, 0.2353, 0.5608
CMYK	0.35, 0.00, 0.43, 0.24
HSL	110°, 41%, 60%
HSV	110°, 43%, 76%
XYZ	31.0439, 44.6357, 22.3086
YIQ	164.9070, -14.4810, -40.4410

Conversions

Conversions Part 2

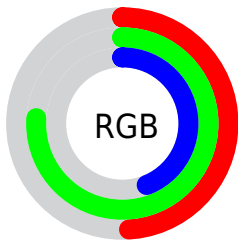
Format	Color
RYB	112, 195, 181
Decimal	8307568
CIELab	72.65, -37.78, 34.94
CIELCh	73, 51.462, 137.236
Yxy	44.6357, 0.3168, 0.4555
Android (android.graphics.Color)	4286497648 (0xFF7EC370)
YUV	164.9070, -26.0832, -34.1214
Hunter-Lab	66.8100, -33.9756, 26.9694

Details

The XYZ color **31.0439, 44.6357, 22.3086** is a dark color, and the websafe version is hex **99CC66**. A complement of this color would be **34.7027, 25.3537, 54.6969**, and the grayscale version is **35.8466, 37.7134, 41.0699**.

A 20% lighter version of the original color is **60.6580, 82.1612, 48.2590**, and **13.1420, 20.8140, 7.8823** is the 20% darker color. If you saturate the color by 10%, you get **27.8739, 43.1150, 17.0936**, and if you desaturate by 10%, it is **34.8387, 46.4540, 28.7821**.

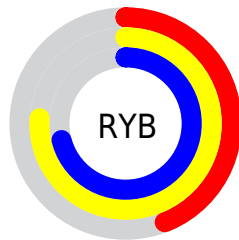
Distribution



Red (49%)

Green (76%)

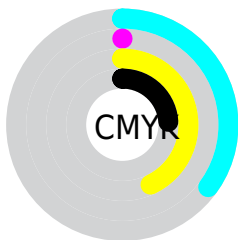
Blue (44%)



Red (44%)

Yellow (76%)

Blue (71%)

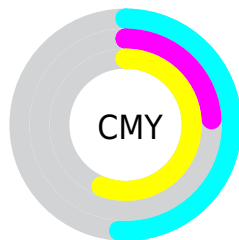


Cyan (35%)

Magenta (0%)

Yellow (43%)

Black (24%)



Cyan (51%)

Magenta (24%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0439, 44.6357, 22.3086 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 31.0439, 44.6357, 22.3086 by changing the saturation by 10% instead.

■ 31.0439, 44.6357,
22.3086

■ 31.0439, 44.6357,
22.3086

298.5638,
365.2961, 277.1595

■ 20.7843, 31.1706,
13.8833

■ 60.6846, 82.1735,
48.1642

■ 13.0780, 20.7288,
7.9018

■ 80.7963, 107.0149,
66.4317

■ 7.5596, 12.9259,
3.9453

■ 104.9228,
136.4172, 88.8170

■ 3.8639, 7.3775,
1.5954

■ 133.4293,
170.7649, 115.7386

■ 1.6254, 3.6993,
0.2875

166.6814,
210.4422, 147.6151

■ 0.4089, 1.5068,
0.0000

205.0442,

■ 0.0000, 0.2935,

255.8335, 184.8651

0.0000

248.8832,
307.3234, 227.9071

■ 0.0000, 0.0000,
0.0000

■ 31.0439, 44.6357,
22.3086

■ 31.0439, 44.6357,
22.3086

■ 27.8739, 43.1150,
17.0936

■ 34.8387, 46.4540,
28.7821

■ 25.2915, 41.8705,
13.0524

■ 39.2863, 48.5787,
36.5855

■ 23.2603, 40.8867,
10.0949


■ 44.4170, 51.0253,
45.7883


■ 21.7387, 40.1445,
8.1163


■ 50.2582, 53.8065,
56.4543


■ 20.6784, 39.6217,
6.9914

■ 56.8358, 56.9344,
68.6434

 20.1396, 39.3535,
6.5345

 64.1744, 60.4205,
82.4122

 72.2975, 64.2756,
97.8144

 78.8060, 67.5121,
103.4853

Harmonies

Analogous

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



37.5457, 44.6357, 15.1759



31.0439, 44.6357, 22.3086



27.8072, 44.6357, 38.5420

Triad

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



31.0439, 44.6357, 22.3086



38.7495, 44.6357, 113.9206



60.9921, 44.6357, 35.4574

Complementary

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



31.0439, 44.6357, 22.3086



34.7027, 25.3537, 54.6969

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.



61.4343, 44.6357, 60.2729



31.0439, 44.6357, 22.3086



47.7094, 44.6357, 112.1797

Square

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



31.0439, 44.6357, 22.3086



31.8184, 44.6357, 94.2838



56.2944, 44.6357, 90.1321



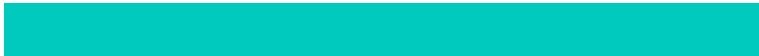
55.1598, 44.6357, 20.7350

Rectangle

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



31.0439, 44.6357, 22.3086



27.5911, 44.6357, 55.0503



56.2944, 44.6357, 90.1321



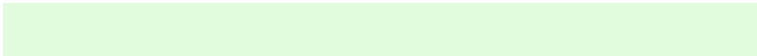
61.8024, 44.6357, 42.6756

Sweetspot

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



31.0450, 44.6376, 22.3096



78.9246, 91.0859, 80.8761



41.7098, 45.3292, 21.8810



16.8111, 19.7216, 16.8581



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.



31.0450, 44.6376, 22.3096



50.3212, 77.4089, 31.2588



30.8066, 44.3202, 31.0845



10.0992, 11.3386, 10.7182



13.1382, 25.6019, 4.2492



0.6180, 1.1321, 0.1860

Inverse Universe

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



34.7027, 25.3537, 54.6969



57.6824, 38.3423, 96.8304



35.4363, 26.0456, 40.5581



10.3252, 10.1588, 12.7015



16.1632, 7.5929, 34.1703



0.7435, 0.3514, 1.4785

Previews

White Background



This preview shows how the XYZ color 31.0439, 44.6357, 22.3086 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 31.0439, 44.6357, 22.3086 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 31.0439, 44.6357, 22.3086

Background



This preview shows how black text looks on a background with the XYZ color 31.0439, 44.6357, 22.3086.



This preview shows how white text looks on a background with the XYZ color 31.0439, 44.6357,

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

31.0439, 44.6357, 22.3086

Protanopia

40.5201, 43.9335, 19.7090

Deuteranopia

45.0853, 44.2036, 23.2954



Tritanopia

38.9296, 44.6188, 61.2041

Trichromacy



Original Color

31.0439, 44.6357, 22.3086



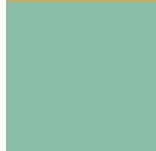
Protanomaly

36.2094, 43.7987, 20.7329



Deuteranomaly

38.3285, 43.3249, 22.8654



Tritanomaly

35.4188, 44.4566, 43.7600

Monochromacy



Original Color

31.0439, 44.6357, 22.3086



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

33.4761, 39.7053, 33.0936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0439, 44.6357, 22.3086 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(126, 195, 112)` looks like.

```
.text, #text, p{  
    color:rgb(126, 195, 112)  
}
```

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(126, 195, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 195, 112) }
```

Border

The CSS property to change the border of an element to XYZ 31.0439, 44.6357, 22.3086 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(126, 195, 112) }
```


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

```
.border{ border-color:rgb(126, 195, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 195, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 195, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 195, 112);  
box-shadow:4px 4px 4px 4px rgb(126, 195,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0439, 44.6357, 22.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 195, 112) }
```

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

```
.background{ background-color: rgb(126,  
195, 112) }
```

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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