

Converting Colors

XYZ(39.7218, 49.2419, 30.3025)

Have a look what the booklet for
XYZ(39.7218, 49.2419, 30.3025)
contains.

XYZ(39.8390, 49.3361, 30.3448)	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(39.8390, 49.3361,
30.3448)**

Conversions

Conversions Part 1

Format	Color
Hex	A6C487
RGB	166, 196, 135
RGB Percent	65%, 77%, 53%
CMY	0.3490, 0.2314, 0.4706
CMYK	0.15, 0.00, 0.31, 0.23
HSL	90°, 34%, 65%
HSV	90°, 31%, 77%
XYZ	39.8390, 49.3361, 30.3448
YIQ	180.0760, 1.7010, -25.3310

Conversions

Conversions Part 2

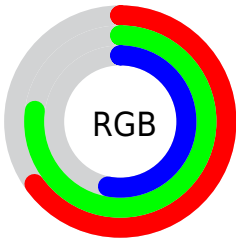
Format	Color
RYB	135, 196, 165
Decimal	10929287
CIELab	75.66, -20.89, 27.40
CIELCh	76, 34.455, 127.333
Yxy	49.3361, 0.3333, 0.4128
Android (android.graphics.Color)	4289119367 (0xFFA6C487)
YUV	180.0760, -22.2225, -12.3447
Hunter-Lab	70.2397, -21.6766, 23.5534

Details

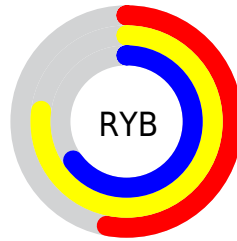
The XYZ color **39.8390, 49.3361, 30.3448** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1469, 29.3142, 56.0857**, and the grayscale version is **43.5393, 45.8067, 49.8835**.

A 20% lighter version of the original color is **74.4348, 89.4543, 61.4874**, and **18.1227, 23.5126, 12.1775** is the 20% darker color. If you saturate the color by 10%, you get **36.6387, 47.8328, 23.6427**, and if you desaturate by 10%, it is **43.4474, 51.0234, 38.3942**.

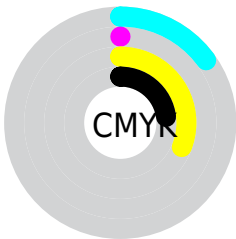
Distribution



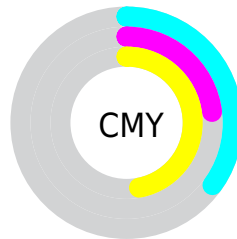
- Red (65%)
- Green (77%)
- Blue (53%)



- Red (53%)
- Yellow (77%)
- Blue (65%)



- Cyan (15%)
- Magenta (0%)
- Yellow (31%)
- Black (23%)



- Cyan (35%)
- Magenta (23%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.8390, 49.3361, 30.3448 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 39.8390, 49.3361, 30.3448 by changing the saturation by 10% instead.

■ 39.8390, 49.3361,
30.3448

■ 39.8390, 49.3361,
30.3448

336.5906,
384.0640, 317.7655

■ 27.5967, 34.8862,
19.8462

■ 74.2042, 89.1904,
61.2745

■ 18.1608, 23.5752,
12.1003

■ 97.0578, 115.3636,
82.5426

■ 11.1659, 15.0188,
6.6887

■ 124.1792,
146.2134, 108.2376

■ 6.2466, 8.8326,
3.1927

155.9337,
182.1240, 138.7781

■ 3.0377, 4.6321,
1.1938

192.6868,
223.4800, 174.5827

■ 1.1737, 2.0331,
0.0000

234.8037,

■ 0.0855, 0.6266,

270.6658, 216.0697

0.0000

282.6498,
324.0656, 263.6578

■ 0.0000, 0.0000,
0.0000

■ 39.8390, 49.3361,
30.3448

■ 39.8390, 49.3361,
30.3448

■ 36.6387, 47.8328,
23.6427

■ 43.4474, 51.0234,
38.3942

■ 33.8255, 46.4999,
18.2110

■ 47.4763, 52.8951,
47.8557

■ 31.3820, 45.3315,
13.9700


■ 51.9420, 54.9598,
58.7939


■ 29.2874, 44.3191,
10.8297


■ 56.8588, 57.2235,
71.2683

■ 27.5187, 43.4529,
8.6871


■ 62.2403, 59.6920,
85.3353


 26.0488, 42.7217,
7.4200

 68.0995, 62.3708,
101.0483

 24.9523, 42.1684,
6.8242

 71.5533, 64.1070,
103.2104

 74.7959, 65.7786,
103.3621

 78.2133, 67.5403,
103.5220

Harmonies

Analogous

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



45.3440, 49.3361, 25.8630



39.8390, 49.3361, 30.3448



36.4584, 49.3361, 41.2841

Triad

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



39.8390, 49.3361, 30.3448



42.3217, 49.3361, 93.1001



60.1432, 49.3361, 49.3577

Complementary

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



39.8390, 49.3361, 30.3448



34.1469, 29.3142, 56.0857

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.



59.1486, 49.3361, 68.4284



39.8390, 49.3361, 30.3448



48.4758, 49.3361, 96.6452

Square

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



39.8390, 49.3361, 30.3448



37.7985, 49.3361, 77.9677



54.7329, 49.3361, 86.7784



57.3393, 49.3361, 35.1040

Rectangle

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



39.8390, 49.3361, 30.3448



35.6741, 49.3361, 52.1003



54.7329, 49.3361, 86.7784



60.2460, 49.3361, 55.3702

Sweetspot

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



39.8403, 49.3383, 30.3459



87.5410, 96.5307, 90.3996



40.5021, 40.2111, 28.5493



18.4910, 20.5474, 18.7548



0.0000, 0.0000, 0.0000



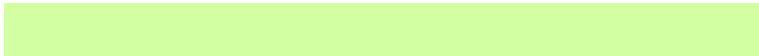
20.3446, 21.4041, 23.3091

Same Dimension

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



39.8403, 49.3383, 30.3459



68.3420, 87.5771, 46.8587



34.2706, 46.4670, 30.0852



10.4214, 11.5047, 10.7332



16.1318, 27.1451, 4.3893



0.7764, 1.2138, 0.1934

Inverse Universe

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



34.1469, 29.3142, 56.0857



56.4815, 45.8610, 100.4829



41.1311, 32.9147, 56.4126



9.9895, 9.9857, 12.6858



9.6279, 4.2238, 33.8644



0.4955, 0.2235, 1.4669

Previews

White Background



This preview shows how the XYZ color 39.8390, 49.3361, 30.3448 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 39.8390, 49.3361, 30.3448 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 39.8390, 49.3361, 30.3448

Background



This preview shows how black text looks on a background with the XYZ color 39.8390, 49.3361, 30.3448.



This preview shows how white text looks on a background with the XYZ color 39.8390, 49.3361,

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

39.8390, 49.3361, 30.3448

Protanopia

45.7430, 49.1740, 28.5533

Deuteranopia

49.7940, 48.7649, 31.2142



Tritanopia

46.3355, 49.0350, 62.8997

Trichromacy



Original Color

39.8390, 49.3361, 30.3448

Protanomaly

43.3174, 49.1842, 29.0402

Deuteranomaly

45.7558, 48.8123, 31.0549

Tritanomaly

43.4626, 48.8119, 49.2504

Monochromacy



Original Color

39.8390, 49.3361, 30.3448

Achromatopsia

43.3819, 45.6411, 49.7032

Achromatomaly

41.9389, 46.9121, 41.9665

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8390, 49.3361, 30.3448 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(166, 196, 135)` looks like.

```
.text, #text, p{  
    color:rgb(166, 196, 135)  
}
```

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(166, 196, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 196, 135) }
```

Border

The CSS property to change the border of an element to XYZ 39.8390, 49.3361, 30.3448 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(166, 196, 135) }
```


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

```
.border{ border-color:rgb(166, 196, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 196, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 196, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 196, 135);  
box-shadow:4px 4px 4px 4px rgb(166, 196,  
135) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8390, 49.3361, 30.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 196, 135) }
```

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

```
.background{ background-color: rgb(166,  
196, 135) }
```

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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