

Converting Colors

XYZ(36.3825, 49.4772, 27.6827)

Have a look what the booklet for
XYZ(36.3825, 49.4772, 27.6827)
contains.

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Color

**XYZ(36.2190, 49.2349,
27.6730)**

Conversions

Conversions Part 1

Format	Color
Hex	90C97F
RGB	144, 201, 127
RGB Percent	56%, 79%, 50%
CMY	0.4353, 0.2117, 0.5020
CMYK	0.28, 0.00, 0.37, 0.21
HSL	106°, 41%, 64%
HSV	106°, 37%, 79%
XYZ	36.2190, 49.2349, 27.6730
YIQ	175.5210, -10.2180, -35.0980

Conversions

Conversions Part 2

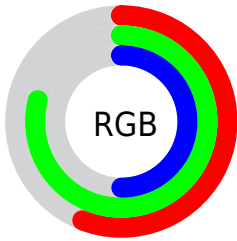
Format	Color
RYB	127, 201, 184
Decimal	9488767
CIELab	75.60, -32.32, 31.24
CIELCh	76, 44.950, 135.973
Yxy	49.2349, 0.3202, 0.4352
Android (android.graphics.Color)	4287678847 (0xFF90C97F)
YUV	175.5210, -23.9209, -27.6439
Hunter-Lab	70.1676, -30.6554, 25.7343

Details

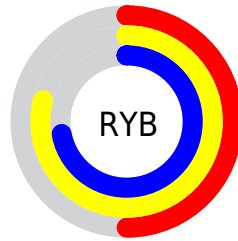
The XYZ color **36.2190, 49.2349, 27.6730** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **37.9014, 29.5876, 58.9744**, and the grayscale version is **41.1429, 43.2855, 47.1379**.

A 20% lighter version of the original color is **67.5514, 86.9574, 56.4041**, and **16.0877, 23.6274, 10.7338** is the 20% darker color. If you saturate the color by 10%, you get **32.5164, 47.4642, 21.3305**, and if you desaturate by 10%, it is **40.5564, 51.3056, 35.4114**.

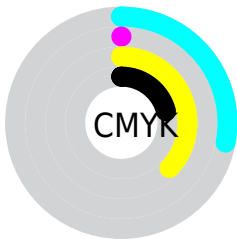
Distribution



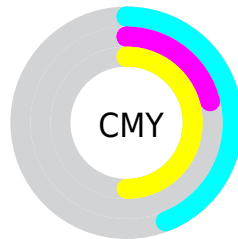
- Red (56%)
- Green (79%)
- Blue (50%)



- Red (50%)
- Yellow (79%)
- Blue (72%)



- Cyan (28%)
- Magenta (0%)
- Yellow (37%)
- Black (21%)



- Cyan (44%)
- Magenta (21%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2190, 49.2349, 27.6730 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 36.2190, 49.2349, 27.6730 by changing the saturation by 10% instead.

■ 36.2190, 49.2349,
27.6730

■ 36.2190, 49.2349,
27.6730

321.3313,
383.6663, 304.7637

■ 24.7743, 34.8059,
17.8424

■ 68.6916, 89.0402,
56.9787

■ 16.0368, 23.5134,
10.6686

■ 90.4502, 115.1853,
77.2910

■ 9.6412, 14.9730,
5.7331

■ 116.3775,
146.0045, 101.9342

■ 5.2222, 8.8005,
2.6173

146.8388,
181.8822, 131.3269

■ 2.4143, 4.6113,
0.9014

182.1995,
223.2029, 165.8877

■ 0.8522, 2.0210,
0.0000

222.8249,

■ 0.0000, 0.6196,

270.3509, 206.0350

0.0000

269.0804,
323.7106, 252.1875

■ 0.0000, 0.0000,
0.0000

■ 36.2190, 49.2349,
27.6730

■ 36.2190, 49.2349,
27.6730

■ 32.5164, 47.4642,
21.3305

■ 40.5564, 51.3056,
35.4114

■ 29.4142, 45.9731,
16.2977

■ 45.5533, 53.6830,
44.6186

■ 26.8805, 44.7487,
12.4839


■ 51.2377, 56.3814,
55.3664

■ 24.8782, 43.7742,
9.7853


■ 57.6348, 59.4124,
67.7207

■ 23.3661, 43.0308,
8.0811


■ 64.7685, 62.7870,
81.7439

 22.2930, 42.4958,
7.2113

 72.6615, 66.5155,
97.4948

 22.0221, 42.3601,
7.0156

 79.2217, 69.7625,
103.8978

 80.1777, 70.2553,
103.9426

Harmonies

Analogous

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



42.5342, 49.2349, 20.5442



36.2190, 49.2349, 27.6730



32.9391, 49.2349, 43.2614

Triad

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



36.2190, 49.2349, 27.6730



43.0282, 49.2349, 111.4116



63.9060, 49.2349, 41.9724

Complementary

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



36.2190, 49.2349, 27.6730



37.9014, 29.5876, 58.9744

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.



64.0791, 49.2349, 65.4862



36.2190, 49.2349, 27.6730



51.3340, 49.2349, 110.7574

Square

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



36.2190, 49.2349, 27.6730



36.5437, 49.2349, 93.7172



59.2552, 49.2349, 92.1303



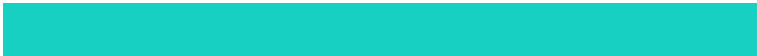
58.8069, 49.2349, 26.9714

Rectangle

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



36.2190, 49.2349, 27.6730



32.6317, 49.2349, 58.5146



59.2552, 49.2349, 92.1303



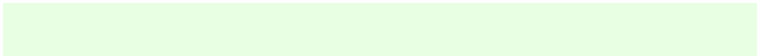
64.5610, 49.2349, 48.9845

Sweetspot

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



36.2202, 49.2370, 27.6741



83.3510, 94.4532, 86.4751



45.0054, 48.1223, 26.9959



17.5543, 20.0810, 17.9681



0.0000, 0.0000, 0.0000



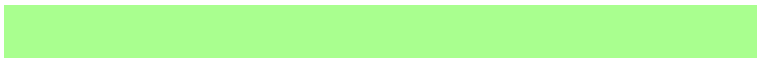
20.3446, 21.4041, 23.3091

Same Dimension

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



36.2202, 49.2370, 27.6741



56.9734, 81.8849, 38.7098



34.8861, 48.3858, 34.9960



10.7217, 12.0034, 11.3146



13.9133, 26.6679, 4.4141



0.7245, 1.2966, 0.2121

Inverse Universe

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



37.9014, 29.5876, 58.9744



60.2282, 43.5004, 99.8298



40.0465, 30.9447, 47.7239



10.8357, 10.6891, 13.4096



15.1907, 7.0653, 35.3075



0.7792, 0.3654, 1.6746

Previews

White Background



This preview shows how the XYZ color 36.2190, 49.2349, 27.6730 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 36.2190, 49.2349, 27.6730 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 36.2190, 49.2349, 27.6730

Background



This preview shows how black text looks on a background with the XYZ color 36.2190, 49.2349, 27.6730.



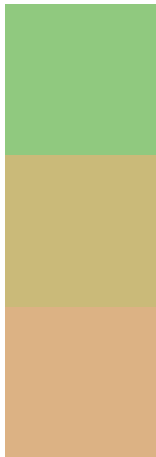
This preview shows how white text looks on a background with the XYZ color 36.2190, 49.2349,

27.6730.

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

36.2190, 49.2349, 27.6730

Protanopia

45.3672, 49.0548, 25.1666

Deuteranopia

49.6005, 48.7224, 28.6199



Tritanopia

43.7979, 48.9347, 66.1684

Trichromacy



Original Color

36.2190, 49.2349, 27.6730

Protanomaly

41.2620, 48.5154, 25.9286

Deuteranomaly

43.3264, 47.9360, 28.0881

Tritanomaly

40.4999, 48.9200, 49.4274

Monochromacy



Original Color

36.2190, 49.2349, 27.6730

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

38.8304, 45.0591, 38.9984

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2190, 49.2349, 27.6730 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(144, 201, 127)` looks like.

```
.text, #text, p{  
    color:rgb(144, 201, 127)  
}
```

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(144, 201, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 201, 127) }
```

Border

The CSS property to change the border of an element to XYZ 36.2190, 49.2349, 27.6730 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(144, 201, 127) }
```


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

```
.border{ border-color:rgb(144, 201, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 201, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 201, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 201, 127);  
box-shadow:4px 4px 4px 4px rgb(144, 201,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2190, 49.2349, 27.6730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 201, 127) }
```

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

```
.background{ background-color: rgb(144,  
201, 127) }
```

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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