

Converting Colors

XYZ(36.5840, 54.1799, 42.6115)

Have a look what the booklet for
XYZ(36.5840, 54.1799, 42.6115)
contains.

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Color

**XYZ(36.6477, 54.2128,
42.7150)**

Conversions

Conversions Part 1

Format	Color
Hex	69D7A2
RGB	105, 215, 162
RGB Percent	41%, 84%, 64%
CMY	0.5882, 0.1568, 0.3647
CMYK	0.51, 0.00, 0.25, 0.16
HSL	151°, 58%, 63%
HSV	151°, 51%, 84%
XYZ	36.6477, 54.2128, 42.7150
YIQ	176.0680, -48.5470, -39.8030

Conversions

Conversions Part 2

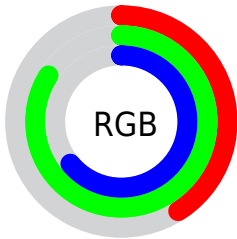
Format	Color
RYB	105, 177, 215
Decimal	6936482
CIELab	78.59, -43.78, 16.67
CIELCh	79, 46.843, 159.155
Yxy	54.2128, 0.2744, 0.4059
Android (android.graphics.Color)	4285126562 (0xFF69D7A2)
YUV	176.0680, -6.9355, -62.3266
Hunter-Lab	73.6293, -40.0061, 17.1443

Details

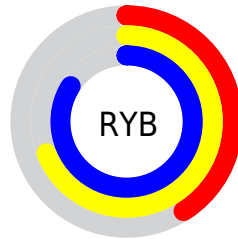
The XYZ color **36.6477, 54.2128, 42.7150** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **39.2492, 27.0200, 35.4963**, and the grayscale version is **41.3566, 43.5104, 47.3828**.

A 20% lighter version of the original color is **63.3886, 84.3163, 78.5794**, and **16.2089, 26.4357, 19.0001** is the 20% darker color. If you saturate the color by 10%, you get **33.5514, 52.7201, 37.9601**, and if you desaturate by 10%, it is **40.4611, 56.0693, 47.9019**.

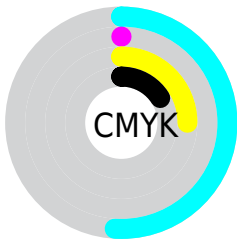
Distribution



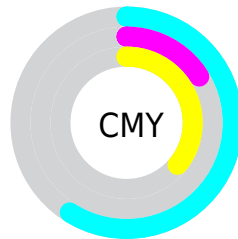
- Red (41%)
- Green (84%)
- Blue (64%)



- Red (41%)
- Yellow (69%)
- Blue (84%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (16%)




- Cyan (59%)
- Magenta (16%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6477, 54.2128, 42.7150 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 36.6477, 54.2128, 42.7150 by changing the saturation by 10% instead.


 36.6477, 54.2128,
42.7150


 36.6477, 54.2128,
42.7150


323.1648,
402.9210, 373.3251


 25.1073, 38.7718,
29.3318


 69.3480, 96.3866,
80.5623


 16.2861, 26.5823,
19.0842


 91.2385, 123.8883,
105.8636

 9.8190, 17.2597,
11.5537

 117.3098,
156.1789, 135.9746

 5.3405, 10.4199,
6.3218

 147.9272,
193.6429, 171.3139

 2.4852, 5.6782,
2.9698

183.4560,
236.6648, 212.3001

 0.8878, 2.6504,
1.0792

224.2617,

 0.0000, 0.9521,

285.6288, 259.3517

0.0000

270.7095,
340.9194, 312.8872

■ 0.0000, 0.0000,
0.0000

■ 36.6477, 54.2128,
42.7150

■ 36.6477, 54.2128,
42.7150

■ 33.5514, 52.7201,
37.9601

■ 40.4611, 56.0693,
47.9019

■ 31.1169, 51.5586,
33.6216

■ 45.0329, 58.3064,
53.5284

■ 29.2877, 50.7007,
29.6881

■ 50.4064, 60.9475,
59.6065

■ 27.9945, 50.1112,
26.1462

■ 56.6202, 64.0126,
66.1466

■ 27.1933, 49.7596,
23.3286

■ 63.7104, 67.5198,
73.1589

71.7107, 71.4865,
80.6528

80.4674, 75.8333,
88.6292

82.0043, 76.4480,
96.7224

83.5915, 77.0829,
105.0805

Harmonies

Analogous

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



41.1070, 54.2128, 27.7180



36.6477, 54.2128, 42.7150



35.9067, 54.2128, 67.4967

Triad

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



36.6477, 54.2128, 42.7150



54.4053, 54.2128, 124.8339



66.5638, 54.2128, 32.3839

Complementary

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



36.6477, 54.2128, 42.7150



39.2492, 27.0200, 35.4963

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.



71.1266, 54.2128, 51.3000



36.6477, 54.2128, 42.7150



63.5754, 54.2128, 107.9104

Square

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



36.6477, 54.2128, 42.7150



45.4623, 54.2128, 120.4676



69.9721, 54.2128, 79.0423



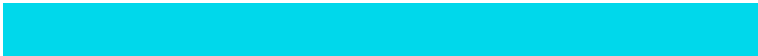
58.1098, 54.2128, 23.1108

Rectangle

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



36.6477, 54.2128, 42.7150



37.5211, 54.2128, 87.4382



69.9721, 54.2128, 79.0423



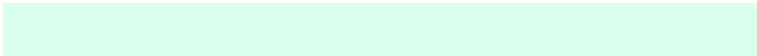
68.6469, 54.2128, 37.5541

Sweetspot

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



36.6492, 54.2150, 42.7162



79.5243, 92.3228, 93.4205



40.9853, 56.9092, 22.1896



16.6053, 19.5556, 19.5575



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.



36.6492, 54.2150, 42.7162



49.1984, 77.4955, 55.5727



41.9294, 55.5843, 72.8116



12.5284, 14.0024, 14.5971



16.3181, 29.7826, 14.2365



1.0260, 1.8130, 1.0785

Inverse Universe

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



39.2492, 27.0200, 35.4963



53.4235, 33.3407, 43.8680



35.8160, 25.9487, 16.4861



12.6700, 12.5195, 14.2025



18.2971, 9.2552, 8.8688



1.1453, 0.5749, 0.7546

Previews

White Background



This preview shows how the XYZ color 36.6477, 54.2128, 42.7150 looks on a white background.

Color Contrast Check

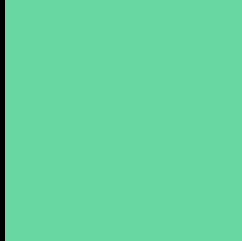
Large Text (above 18pt) WCAG AA × Fail

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 36.6477, 54.2128, 42.7150 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 36.6477, 54.2128, 42.7150

Background



This preview shows how black text looks on a background with the XYZ color 36.6477, 54.2128, 42.7150.



This preview shows how white text looks on a background with the XYZ color 36.6477, 54.2128,

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

36.6477, 54.2128, 42.7150

Protanopia

50.1095, 53.4961, 36.9629

Deuteranopia

54.4456, 53.3171, 44.4674



Tritanopia

43.7934, 54.1450, 78.6639

Trichromacy



Original Color

36.6477, 54.2128, 42.7150



Protanomaly

43.1652, 52.5749, 38.8833



Deuteranomaly

45.4396, 52.2694, 43.7705



Tritanomaly

40.7917, 54.0232, 63.5359

Monochromacy



Original Color

36.6477, 54.2128, 42.7150



Achromatopsia

41.2663, 43.4154, 47.2793



Achromatomaly

38.3418, 46.2512, 45.4346

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6477, 54.2128, 42.7150 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(105, 215, 162)` looks like.

```
.text, #text, p{  
    color:rgb(105, 215, 162)  
}
```

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(105, 215, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 215, 162) }
```

Border

The CSS property to change the border of an element to XYZ 36.6477, 54.2128, 42.7150 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(105, 215, 162) }
```


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

```
.border{ border-color:rgb(105, 215, 162) }
```

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

Here you see how a box with a 4 pixel rgb(105, 215, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 215, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 215, 162);  
box-shadow:4px 4px 4px 4px rgb(105, 215,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6477, 54.2128, 42.7150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 215, 162) }
```

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

```
.background{ background-color: rgb(105,  
215, 162) }
```

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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