

Converting Colors

XYZ(41.9970, 57.7515, 21.3216)

Have a look what the booklet for
XYZ(41.9970, 57.7515, 21.3216)
contains.

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Color

**XYZ(42.0091, 57.8378,
21.2616)**

Conversions

Conversions Part 1

Format	Color
Hex	A3D865
RGB	163, 216, 101
RGB Percent	64%, 85%, 40%
CMY	0.3608, 0.1529, 0.6039
CMYK	0.25, 0.00, 0.53, 0.15
HSL	88°, 60%, 62%
HSV	88°, 53%, 85%
XYZ	42.0091, 57.8378, 21.2616
YIQ	187.0430, 5.3270, -47.0010

Conversions

Conversions Part 2

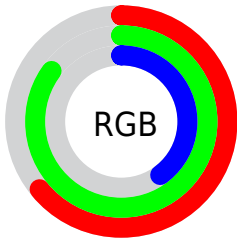
Format	Color
RYB	101, 216, 154
Decimal	10737765
CIELab	80.65, -35.72, 50.60
CIElCh	81, 61.943, 125.219
Yxy	57.8378, 0.3469, 0.4776
Android (android.graphics.Color)	4288927845 (0xFFA3D865)
YUV	187.0430, -42.4192, -21.0857
Hunter-Lab	76.0512, -34.4898, 36.6601

Details

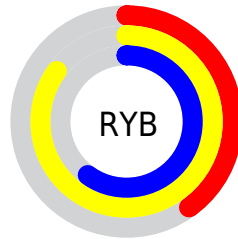
The XYZ color **42.0091, 57.8378, 21.2616** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **30.3771, 21.1369, 67.4477**, and the grayscale version is **47.4894, 49.9626, 54.4093**.

A 20% lighter version of the original color is **71.1916, 89.1022, 44.4566**, and **19.4627, 28.8913, 7.3471** is the 20% darker color. If you saturate the color by 10%, you get **39.1283, 56.4612, 16.3100**, and if you desaturate by 10%, it is **45.3313, 59.4135, 27.6878**.

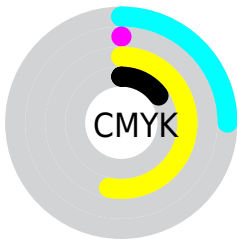
Distribution



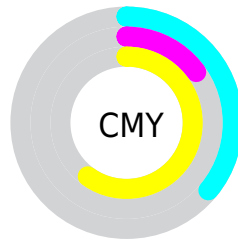
- Red (64%)
- Green (85%)
- Blue (40%)



- Red (40%)
- Yellow (85%)
- Blue (60%)



- Cyan (25%)
- Magenta (0%)
- Yellow (53%)
- Black (15%)





- Cyan (36%)
- Magenta (15%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0091, 57.8378, 21.2616 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 42.0091, 57.8378, 21.2616 by changing the saturation by 10% instead.


 42.0091, 57.8378,
21.2616

 42.0091, 57.8378,
21.2616


345.5116,
416.5813, 271.4921


 29.2996, 41.6783,
13.1223


 77.4785, 101.6866,
46.4089


 19.4530, 28.8494,
7.3811


 100.9690,
130.1447, 64.2540

 12.1040, 18.9670,
3.6195


 128.7839,
163.4711, 86.1714

 6.8872, 11.6464,
1.4190

 161.2886,
202.0501, 112.5796

 3.4374, 6.5034,
0.1565

198.8483,
246.2663, 143.8973

 1.3891, 3.1535,
0.0000

241.8285,

 0.2484, 1.2124,

296.5039, 180.5429

0.0000

290.5945,
353.1475, 222.9350

■ 0.0000, 0.0718,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.0091, 57.8378,
21.2616

■ 42.0091, 57.8378,
21.2616

■ 39.1283, 56.4612,
16.3100

■ 45.3313, 59.4135,
27.6878

■ 36.6588, 55.2652,
12.7118


■ 49.1142, 61.1904,
35.6898


■ 34.5725, 54.2401,
10.3325


■ 53.3806, 63.1802,
45.3640


■ 32.8343, 53.3716,
9.0084

■ 58.1506, 65.3910,
56.7982


 31.8192, 52.8579,
8.5256

 63.4428, 67.8309,
70.0741

 69.2749, 70.5072,
85.2679

 75.6637, 73.4270,
102.4520

 79.4471, 75.3259,
104.9598

 82.9702, 77.1421,
105.1246

Harmonies

Analogous

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



52.7724, 57.8378, 15.7330



42.0091, 57.8378, 21.2616



35.5795, 57.8378, 37.8876

Triad

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



42.0091, 57.8378, 21.2616



45.3221, 57.8378, 150.6783



83.1878, 57.8378, 56.8004

Complementary

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



42.0091, 57.8378, 21.2616



30.3771, 21.1369, 67.4477

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.



80.3779, 57.8378, 97.2361



42.0091, 57.8378, 21.2616



57.2342, 57.8378, 161.9978

Square

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



42.0091, 57.8378, 21.2616



37.2749, 57.8378, 112.7804



70.3625, 57.8378, 139.5360



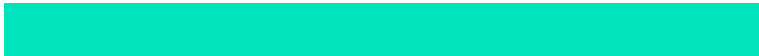
77.5383, 57.8378, 30.5360

Rectangle

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



42.0091, 57.8378, 21.2616



33.9785, 57.8378, 57.3021



70.3625, 57.8378, 139.5360



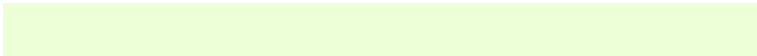
83.2094, 57.8378, 69.0116

Sweetspot

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



42.0105, 57.8403, 21.2628



82.5801, 94.2516, 77.5923



42.0204, 38.2413, 17.4793



17.3632, 20.0290, 15.8553



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.



42.0105, 57.8403, 21.2628



56.4544, 81.9662, 22.9250



32.9400, 53.1643, 20.8384



12.8955, 14.2223, 13.2262



18.9587, 31.3499, 5.0519



1.2385, 1.9399, 0.3092

Inverse Universe

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



30.3771, 21.1369, 67.4477



37.8002, 23.0573, 97.0659



43.7002, 28.0051, 68.0712



12.2811, 12.2863, 15.6617



10.5397, 4.5859, 38.7828



0.7306, 0.3255, 2.3436

Previews

White Background



This preview shows how the XYZ color 42.0091, 57.8378, 21.2616 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 42.0091, 57.8378, 21.2616 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 42.0091, 57.8378, 21.2616

Background



This preview shows how black text looks on a background with the XYZ color 42.0091, 57.8378, 21.2616.



This preview shows how white text looks on a background with the XYZ color 42.0091, 57.8378,

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

42.0091, 57.8378, 21.2616

Protanopia

52.5844, 57.5252, 19.3983

Deuteranopia

58.4285, 57.1427, 22.1375



Tritanopia

52.7325, 57.4101, 75.3198

Trichromacy



Original Color

42.0091, 57.8378, 21.2616



Protanomaly

48.0953, 57.3038, 20.0811



Deuteranomaly

50.9976, 56.3138, 21.5464



Tritanomaly

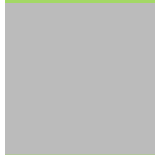
47.6259, 57.1306, 49.5914

Monochromacy



Original Color

42.0091, 57.8378, 21.2616



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

44.5549, 52.2534, 39.1901

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0091, 57.8378, 21.2616 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(163, 216, 101)` looks like.

```
.text, #text, p{  
    color:rgb(163, 216, 101)  
}
```

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(163, 216, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 216, 101) }
```

Border

The CSS property to change the border of an element to XYZ 42.0091, 57.8378, 21.2616 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(163, 216, 101) }
```


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

```
.border{ border-color:rgb(163, 216, 101) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 216, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 216, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 216, 101);  
box-shadow:4px 4px 4px 4px rgb(163, 216,  
101) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0091, 57.8378, 21.2616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 216, 101) }
```

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

```
.background{ background-color: rgb(163,  
216, 101) }
```

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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