

Converting Colors

XYZ(47.7720, 66.2110, 21.4085)

Have a look what the booklet for
XYZ(47.7720, 66.2110, 21.4085)
contains.

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Color

**XYZ(47.8637, 66.4368,
21.3672)**

Conversions

Conversions Part 1

Format	Color
Hex	AEE660
RGB	174, 230, 96
RGB Percent	68%, 90%, 38%
CMY	0.3176, 0.0980, 0.6235
CMYK	0.24, 0.00, 0.58, 0.10
HSL	85°, 73%, 64%
HSV	85°, 58%, 90%
XYZ	47.8637, 66.4368, 21.3672
YIQ	197.9800, 9.6380, -53.5460

Conversions

Conversions Part 2

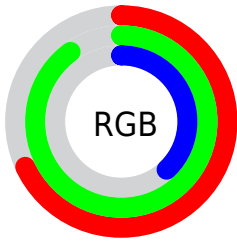
Format	Color
RYB	96, 230, 152
Decimal	11462240
CIELab	85.22, -38.49, 58.29
CIELCh	85, 69.854, 123.438
Yxy	66.4368, 0.3528, 0.4897
Android (android.graphics.Color)	4289652320 (0xFFAEE660)
YUV	197.9800, -50.2761, -21.0305
Hunter-Lab	81.5088, -37.8213, 41.5135

Details

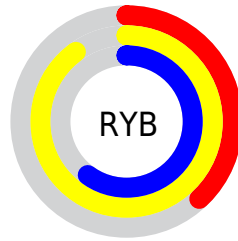
The XYZ color **47.8637, 66.4368, 21.3672** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **31.4174, 20.7561, 77.2171**, and the grayscale version is **53.9578, 56.7678, 61.8202**.

A 20% lighter version of the original color is **74.6246, 90.9102, 42.8924**, and **22.9903, 34.2769, 7.4119** is the 20% darker color. If you saturate the color by 10%, you get **44.8908, 65.0113, 16.4863**, and if you desaturate by 10%, it is **51.3028, 68.0711, 27.8892**.

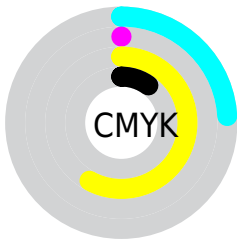
Distribution



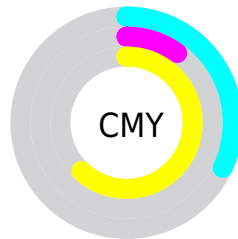
- Red (68%)
- Green (90%)
- Blue (38%)



- Red (38%)
- Yellow (90%)
- Blue (60%)



- Cyan (24%)
- Magenta (0%)
- Yellow (58%)
- Black (10%)





- Cyan (32%)
- Magenta (10%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.8637, 66.4368, 21.3672 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 47.8637, 66.4368, 21.3672 by changing the saturation by 10% instead.


 47.8637, 66.4368,
21.3672


 47.8637, 66.4368,
21.3672


368.8432,
447.9374, 272.0684

 33.9298, 48.6271,
13.1988


 86.2124, 114.1130,
46.5866


 23.0023, 34.3237,
7.4333


 111.3578,
144.7483, 64.4746

 14.7159, 23.1424,
3.6520


 140.9711,
180.4276, 86.4397

 8.7053, 14.6987,
1.4364

 175.4176,
221.5352, 112.9002

 4.6050, 8.6082,
0.1699

215.0628,
268.4556, 144.2748

 2.0498, 4.4865,
0.0000

260.2718,

 0.6617, 1.9493,

321.5732, 180.9820

0.0000

311.4102,
381.2723, 223.4404

■ 0.0000, 0.5777,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.8637, 66.4368,
21.3672

■ 47.8637, 66.4368,
21.3672

■ 44.8908, 65.0113,
16.4863

■ 51.3028, 68.0711,
27.8892

■ 42.3483, 63.7730,
13.0954


■ 55.2310, 69.9168,
36.1774


■ 40.2016, 62.7100,
11.0224


■ 59.6750, 71.9872,
46.3495


■ 38.4003, 61.8017,
10.0199


■ 64.6577, 74.2918,
58.5122


 38.1100, 61.6546,
9.8919

 70.2009, 76.8397,
72.7637

 76.3246, 79.6393,
89.1962

 82.7231, 82.5684,
106.1851

 86.0971, 84.3078,
106.3430

 87.5882, 85.0765,
106.4127

Harmonies

Analogous

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



61.3444, 66.4368, 15.6598



47.8637, 66.4368, 21.3672



39.7162, 66.4368, 40.0330

Triad

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



47.8637, 66.4368, 21.3672



50.5312, 66.4368, 181.1744



98.5194, 66.4368, 67.2525

Complementary

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



47.8637, 66.4368, 21.3672



31.4174, 20.7561, 77.2171

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.



94.3468, 66.4368, 118.5485



47.8637, 66.4368, 21.3672



64.9829, 66.4368, 198.3080

Square

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



47.8637, 66.4368, 21.3672



41.0666, 66.4368, 131.5395



81.3779, 66.4368, 171.7347



91.9892, 66.4368, 34.2532

Rectangle

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



47.8637, 66.4368, 21.3672



37.5525, 66.4368, 62.8593



81.3779, 66.4368, 171.7347



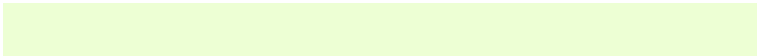
98.3257, 66.4368, 82.7255

Sweetspot

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



47.8653, 66.4397, 21.3686



82.4853, 94.2401, 75.8988



45.9482, 40.0722, 16.3802



17.3673, 20.0385, 15.5228



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.



47.8653, 66.4397, 21.3686



55.9969, 81.7998, 19.7666



36.4937, 60.5774, 20.8364



14.9890, 16.5014, 15.2995



21.7170, 34.9770, 5.6066



1.7101, 2.6390, 0.4192

Inverse Universe

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



31.4174, 20.7561, 77.2171



33.4507, 19.0472, 96.5212



47.6316, 29.1149, 77.9759



14.1508, 14.1799, 18.1355



10.9569, 4.7144, 42.7156



0.9135, 0.4019, 3.1614

Previews

White Background



This preview shows how the XYZ color 47.8637, 66.4368, 21.3672 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 47.8637, 66.4368, 21.3672 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 47.8637, 66.4368, 21.3672

Background



This preview shows how black text looks on a background with the XYZ color 47.8637, 66.4368, 21.3672.



This preview shows how white text looks on a background with the XYZ color 47.8637, 66.4368,

21.3672.

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

47.8637, 66.4368, 21.3672

Protanopia

60.0239, 65.6752, 19.4105

Deuteranopia

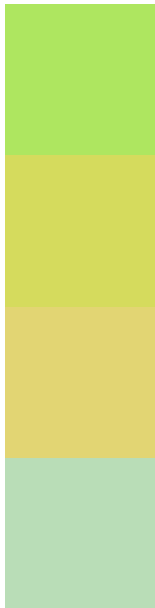
66.3618, 65.4782, 28.8796



Tritanopia

61.0021, 66.2014, 86.6538

Trichromacy



Original Color

47.8637, 66.4368, 21.3672

Protanomaly

54.7479, 65.5995, 20.1324

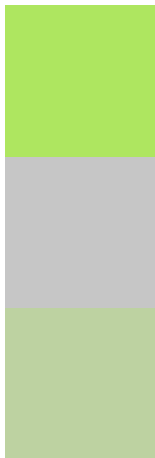
Deuteranomaly

58.2528, 64.9951, 25.6947

Tritanomaly

54.4113, 65.4461, 54.5643

Monochromacy



Original Color

47.8637, 66.4368, 21.3672

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

50.4659, 59.4852, 42.5402

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.8637, 66.4368, 21.3672 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(174, 230, 96)` looks like.

```
.text, #text, p{  
    color:rgb(174, 230, 96)  
}
```

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(174, 230, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 230, 96) }
```

Border

The CSS property to change the border of an element to XYZ 47.8637, 66.4368, 21.3672 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(174, 230, 96) }
```


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

```
.border{ border-color:rgb(174, 230, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 230, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 230, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 230, 96);  
box-shadow:4px 4px 4px 4px rgb(174, 230,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 47.8637, 66.4368, 21.3672 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 230, 96) }
```

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

```
.background{ background-color: rgb(174,  
230, 96) }
```

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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