

Converting Colors

XYZ(42.1134, 56.4181, 13.7646)

Have a look what the booklet for
XYZ(42.1134, 56.4181, 13.7646)
contains.

XYZ(42.2060, 56.5943, 13.8536)	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(42.2060, 56.5943,
13.8536)**

Conversions

Conversions Part 1

Format	Color
Hex	AFD442
RGB	175, 212, 66
RGB Percent	69%, 83%, 26%
CMY	0.3137, 0.1686, 0.7412
CMYK	0.17, 0.00, 0.69, 0.17
HSL	75°, 63%, 55%
HSV	75°, 69%, 83%
XYZ	42.2060, 56.5943, 13.8536
YIQ	184.2930, 24.8140, -53.2500

Conversions

Conversions Part 2

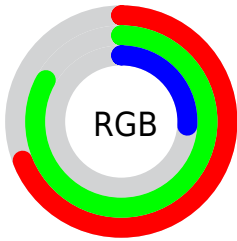
Format	Color
RYB	66, 212, 103
Decimal	11523138
CIELab	79.95, -32.12, 64.84
CIELCh	80, 72.361, 116.354
Yxy	56.5943, 0.3747, 0.5024
Android (android.graphics.Color)	4289713218 (0xFFAFD442)
YUV	184.2930, -58.3184, -8.1500
Hunter-Lab	75.2292, -31.5068, 41.7421

Details

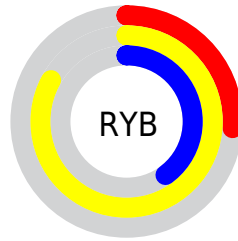
The XYZ color **42.2060, 56.5943, 13.8536** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **19.4277, 11.5350, 63.4933**, and the grayscale version is **46.0265, 48.4234, 52.7331**.

A 20% lighter version of the original color is **72.8771, 90.2488, 31.9911**, and **19.6647, 28.0359, 4.3750** is the 20% darker color. If you saturate the color by 10%, you get **40.5114, 55.7819, 11.0948**, and if you desaturate by 10%, it is **44.1828, 57.5292, 17.8365**.

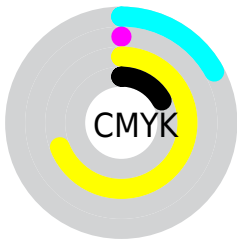
Distribution



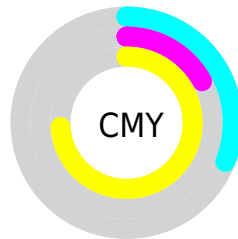
- Red (69%)
- Green (83%)
- Blue (26%)



- Red (26%)
- Yellow (83%)
- Blue (40%)



- Cyan (17%)
- Magenta (0%)
- Yellow (69%)
- Black (17%)



- Cyan (31%)
- Magenta (17%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2060, 56.5943, 13.8536 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 42.2060, 56.5943, 13.8536 by changing the saturation by 10% instead.

■ 42.2060, 56.5943,
13.8536

■ 42.2060, 56.5943,
13.8536

346.3133,
411.9274, 227.7148

■ 29.4544, 40.6796,
7.8813

■ 77.7745, 99.8730,
33.5424

■ 19.5709, 28.0688,
3.9324

■ 101.3222,
128.0058, 48.0960

■ 12.1899, 18.3775,
1.5883

■ 129.1993,
160.9800, 66.3472

■ 6.9463, 11.2214,
0.2825

■ 161.7711,
199.1801, 88.7144

■ 3.4746, 6.2159,
0.0000

■ 199.4031,
242.9905, 115.6163

■ 1.4094, 2.9768,
0.0000

242.4605,

■ 0.2629, 1.1196,

292.7956, 147.4712

0.0000

291.3088,
348.9798, 184.6979

■ 0.0000, 0.0000,
0.0000

■ 42.2060, 56.5943,
13.8536

■ 42.2060, 56.5943,
13.8536

■ 40.5114, 55.7819,
11.0948

■ 44.1828, 57.5292,
17.8365

■ 39.0675, 55.0732,
9.4139

■ 46.4614, 58.5883,
23.1609

■ 37.8319, 54.4533,
8.5856

■ 49.0638, 59.7827,
29.9343

■ 37.6983, 54.3860,
8.5106

■ 52.0086, 61.1197,
38.2523

■ 55.3131, 62.6065,
48.2026

■ 58.9932, 64.2493,
59.8661

■ 63.0636, 66.0541,
73.3184

■ 67.5383, 68.0266,
88.6305

■ 72.1378, 70.0551,
104.3276

Harmonies

Analogous

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



55.6069, 56.5943, 11.0249



42.2060, 56.5943, 13.8536



33.5442, 56.5943, 26.8002

Triad

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



42.2060, 56.5943, 13.8536



39.6151, 56.5943, 156.4216



87.1744, 56.5943, 66.9085

Complementary

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



42.2060, 56.5943, 13.8536



19.4277, 11.5350, 63.4933

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.



80.8849, 56.5943, 118.1584



42.2060, 56.5943, 13.8536



52.0155, 56.5943, 182.6694

Square

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



42.2060, 56.5943, 13.8536



32.2506, 56.5943, 104.9370



67.3232, 56.5943, 166.1875



83.2647, 56.5943, 32.2453

Rectangle

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



42.2060, 56.5943, 13.8536



30.7546, 56.5943, 44.4453



67.3232, 56.5943, 166.1875



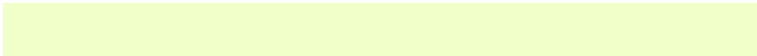
86.1576, 56.5943, 82.7353

Sweetspot

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



42.2073, 56.5968, 13.8548



82.7772, 94.5342, 69.4204



32.9376, 23.9936, 8.0503



17.4138, 20.0976, 13.9374



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.



42.2073, 56.5968, 13.8548



60.3851, 84.1636, 15.3819



30.0652, 50.3374, 13.2866



13.1512, 14.3542, 13.2382



23.3684, 33.6232, 5.2583



1.4836, 2.0662, 0.3206

Inverse Universe

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



19.4277, 11.5350, 63.4933



23.8560, 11.5145, 95.5729



31.6257, 17.8233, 64.0642



12.0347, 12.1593, 15.6502



8.3455, 3.4548, 38.6801



0.5803, 0.2481, 2.3366

Previews

White Background



This preview shows how the XYZ color 42.2060, 56.5943, 13.8536 looks on a white background.

Color Contrast Check

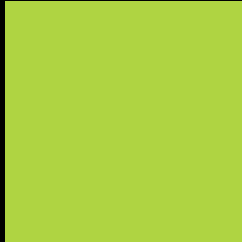
Large Text (above 18pt) WCAG AA × Fail

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 42.2060, 56.5943, 13.8536 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 42.2060, 56.5943, 13.8536

Background



This preview shows how black text looks on a background with the XYZ color 42.2060, 56.5943, 13.8536.



This preview shows how white text looks on a background with the XYZ color 42.2060, 56.5943,

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

42.2060, 56.5943, 13.8536

Protanopia

50.8824, 56.1081, 12.7056

Deuteranopia

57.2593, 56.0673, 14.4608



Tritanopia

53.8175, 56.3196, 71.6526

Trichromacy



Original Color

42.2060, 56.5943, 13.8536

Protanomaly

47.1550, 55.9081, 13.0086

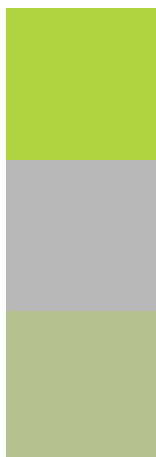
Deuteranomaly

50.6512, 55.6160, 14.1963

Tritanomaly

47.7087, 55.5642, 41.4682

Monochromacy



Original Color

42.2060, 56.5943, 13.8536

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.1556, 50.3304, 32.6395

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2060, 56.5943, 13.8536 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(175, 212, 66)` looks like.

```
.text, #text, p{  
    color:rgb(175, 212, 66)  
}
```

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(175, 212, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 212, 66) }
```

Border

The CSS property to change the border of an element to XYZ 42.2060, 56.5943, 13.8536 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(175, 212, 66) }
```


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

```
.border{ border-color:rgb(175, 212, 66) }
```

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

Here you see how a box with a 4 pixel rgb(175, 212, 66) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 212, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 212, 66);  
box-shadow:4px 4px 4px 4px rgb(175, 212,  
66) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2060, 56.5943, 13.8536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 212, 66) }
```

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

```
.background{ background-color: rgb(175,  
212, 66) }
```

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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