

Converting Colors

XYZ(41.9934, 55.9553, 13.2341)

Have a look what the booklet for
XYZ(41.9934, 55.9553, 13.2341)
contains.

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Color

**XYZ(42.0960, 56.1775,
13.3273)**

Conversions

Conversions Part 1

Format	Color
Hex	B0D33F
RGB	176, 211, 63
RGB Percent	69%, 83%, 25%
CMY	0.3098, 0.1725, 0.7529
CMYK	0.17, 0.00, 0.70, 0.17
HSL	74°, 63%, 54%
HSV	74°, 70%, 83%
XYZ	42.0960, 56.1775, 13.3273
YIQ	183.6630, 26.6480, -53.4480

Conversions

Conversions Part 2

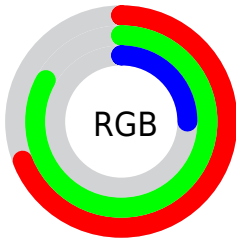
Format	Color
RYB	63, 211, 98
Decimal	11588415
CIELab	79.71, -31.44, 65.72
CIELCh	80, 72.854, 115.562
Yxy	56.1775, 0.3772, 0.5034
Android (android.graphics.Color)	4289778495 (0xFFB0D33F)
YUV	183.6630, -59.4869, -6.7205
Hunter-Lab	74.9517, -30.9123, 41.9237

Details

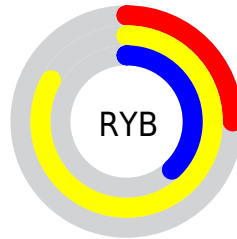
The XYZ color **42.0960, 56.1775, 13.3273** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **18.5744, 10.8563, 62.7478**, and the grayscale version is **45.6829, 48.0619, 52.3395**.

A 20% lighter version of the original color is **73.0215, 90.3443, 31.0423**, and **19.4962, 27.6989, 4.3189** is the 20% darker color. If you saturate the color by 10%, you get **40.5083, 55.4164, 10.7430**, and if you desaturate by 10%, it is **43.9537, 57.0554, 17.1055**.

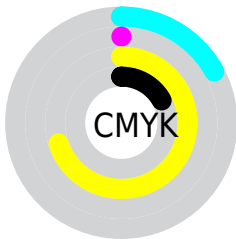
Distribution



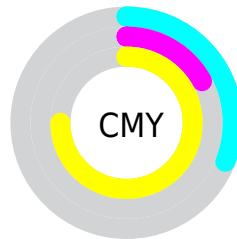
- Red (69%)
- Green (83%)
- Blue (25%)



- Red (25%)
- Yellow (83%)
- Blue (38%)



- Cyan (17%)
- Magenta (0%)
- Yellow (70%)
- Black (17%)



- Cyan (31%)
- Magenta (17%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.0960, 56.1775, 13.3273 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 42.0960, 56.1775, 13.3273 by changing the saturation by 10% instead.

■ 42.0960, 56.1775,
13.3273

■ 42.0960, 56.1775,
13.3273

345.8656,
410.3601, 224.2858

■ 29.3679, 40.3453,
7.5209

■ 77.6091, 99.2641,
32.5903

■ 19.5050, 27.8078,
3.7066

■ 101.1249,
127.2872, 46.8841

■ 12.1419, 18.1809,
1.4658

■ 128.9673,
160.1427, 64.8440

■ 6.9133, 11.0799,
0.1923

■ 161.5016,
198.2150, 86.8887

■ 3.4538, 6.1206,
0.0000

■ 199.0932,
241.8885, 113.4367

■ 1.3980, 2.9186,
0.0000

242.1076,

■ 0.2548, 1.0894,

291.5476, 144.9065

0.0000

290.9099,
347.5766, 181.7167

■ 0.0000, 0.0000,
0.0000

■ 42.0960, 56.1775,
13.3273

■ 42.0960, 56.1775,
13.3273

■ 40.5083, 55.4164,
10.7430

■ 43.9537, 57.0554,
17.1055

■ 39.1588, 54.7534,
9.2046

■ 46.1011, 58.0519,
22.1956

■ 38.0131, 54.1782,
8.4539

■ 48.5601, 59.1780,
28.7058

■ 51.3493, 60.4412,
36.7316

■ 54.4857, 61.8482,
46.3605

■ 57.9851, 63.4054,
57.6734

■ 61.8622, 65.1188,
70.7455

■ 66.1309, 66.9940,
85.6477

■ 70.8041, 69.0361,
102.4468

Harmonies

Analogous

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



55.6141, 56.1775, 10.7334



42.0960, 56.1775, 13.3273



33.2984, 56.1775, 25.8401

Triad

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



42.0960, 56.1775, 13.3273



38.9425, 56.1775, 155.2606



86.8539, 56.1775, 67.6534

Complementary

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



42.0960, 56.1775, 13.3273



18.5744, 10.8563, 62.7478

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.



80.2870, 56.1775, 119.3712



42.0960, 56.1775, 13.3273



51.2358, 56.1775, 182.7032

Square

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



42.0960, 56.1775, 13.3273



31.7260, 56.1775, 103.2045



66.5541, 56.1775, 167.2204



83.1944, 56.1775, 32.4482

Rectangle

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



42.0960, 56.1775, 13.3273



30.4190, 56.1775, 43.1104



66.5541, 56.1775, 167.2204



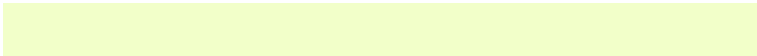
85.7404, 56.1775, 83.6720

Sweetspot

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



42.0973, 56.1800, 13.3285



83.0884, 94.6947, 69.4350



32.0874, 22.8578, 7.4242



17.4885, 20.1361, 13.9409



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.



42.0973, 56.1800, 13.3285



61.1511, 84.5637, 15.1790



29.7260, 49.8024, 12.7495



12.5187, 13.6509, 12.5871



23.0346, 32.7437, 5.1061



1.3556, 1.8657, 0.2887

Inverse Universe

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



18.5744, 10.8563, 62.7478



23.1962, 11.0398, 95.5161



30.4484, 16.9775, 63.3035



11.4217, 11.5507, 14.8712



7.9634, 3.2856, 37.4070



0.5176, 0.2210, 2.0949

Previews

White Background



This preview shows how the XYZ color 42.0960, 56.1775, 13.3273 looks on a white background.

Color Contrast Check

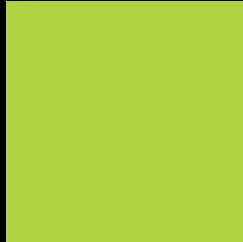
Large Text (above 18pt) WCAG AA × Fail

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 42.0960, 56.1775, 13.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

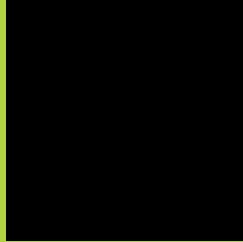
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.0960, 56.1775, 13.3273

Background



This preview shows how black text looks on a background with the XYZ color 42.0960, 56.1775, 13.3273.



This preview shows how white text looks on a background with the XYZ color 42.0960, 56.1775,

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

42.0960, 56.1775, 13.3273

Protanopia

50.5745, 55.6204, 12.2079

Deuteranopia

56.9461, 55.6014, 13.8616



Tritanopia

53.7147, 55.9431, 70.9178

Trichromacy



Original Color

42.0960, 56.1775, 13.3273

Protanomaly

47.1130, 55.5464, 12.5134

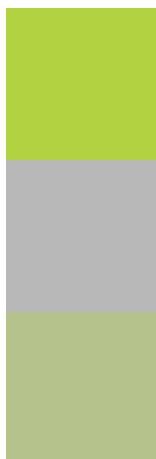
Deuteranomaly

50.6329, 55.2817, 13.6320

Tritanomaly

47.5418, 55.1488, 40.4868

Monochromacy



Original Color

42.0960, 56.1775, 13.3273

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

43.0815, 50.3008, 32.2493

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0960, 56.1775, 13.3273 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(176, 211, 63)` looks like.

```
.text, #text, p{  
    color:rgb(176, 211, 63)  
}
```

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(176, 211, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 211, 63) }
```

Border

The CSS property to change the border of an element to XYZ 42.0960, 56.1775, 13.3273 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(176, 211, 63) }
```


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

```
.border{ border-color:rgb(176, 211, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 211, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 211, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 211, 63);  
box-shadow:4px 4px 4px 4px rgb(176, 211,  
63) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0960, 56.1775, 13.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 211, 63) }
```

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

```
.background{ background-color: rgb(176,  
211, 63) }
```

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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