

Converting Colors

XYZ(41.6297, 52.9191, 16.6534)

Have a look what the booklet for
XYZ(41.6297, 52.9191, 16.6534)
contains.

XYZ(41.5860, 52.9515, 16.6232)	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(41.5860, 52.9515,
16.6232)**

Conversions

Conversions Part 1

Format	Color
Hex	B3CB55
RGB	179, 203, 85
RGB Percent	70%, 80%, 33%
CMY	0.2980, 0.2039, 0.6667
CMYK	0.12, 0.00, 0.58, 0.20
HSL	72°, 53%, 56%
HSV	72°, 58%, 80%
XYZ	41.5860, 52.9515, 16.6232
YIQ	182.3720, 23.5740, -41.7860

Conversions

Conversions Part 2

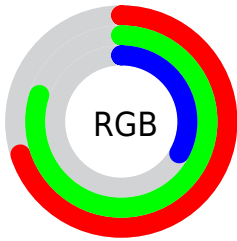
Format	Color
R_{YB}	85, 203, 109
Decimal	11782997
CIE _{Lab}	77.85, -24.93, 54.91
CIE _{LCh}	78, 60.305, 114.416
Yxy	52.9515, 0.3741, 0.4764
Android (android.graphics.Color)	4289973077 (0xFFB3CB55)
YUV	182.3720, -48.0044, -2.9572
Hunter-Lab	72.7678, -25.3328, 37.3931

Details

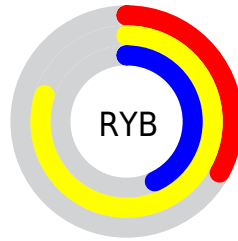
The XYZ color **41.5860, 52.9515, 16.6232** is a light color, and the websafe version is hex **CCCC66**. The color can be described as light muted chartreuse. A complement of this color would be **20.3367, 14.0614, 58.1454**, and the grayscale version is **44.9123, 47.2513, 51.4566**.

A 20% lighter version of the original color is **75.3453, 91.3886, 38.0947**, and **19.2940, 25.8737, 5.2055** is the 20% darker color. If you saturate the color by 10%, you get **39.9526, 52.1914, 12.9243**, and if you desaturate by 10%, it is **43.4818, 53.8236, 21.5440**.

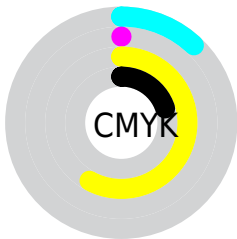
Distribution



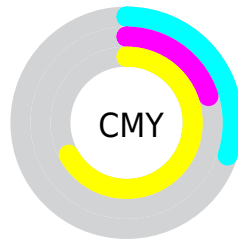
- Red (70%)
- Green (80%)
- Blue (33%)



- Red (33%)
- Yellow (80%)
- Blue (43%)



- Cyan (12%)
- Magenta (0%)
- Yellow (58%)
- Black (20%)



- Cyan (30%)
- Magenta (20%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.5860, 52.9515, 16.6232 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 41.5860, 52.9515, 16.6232 by changing the saturation by 10% instead.

■ 41.5860, 52.9515,
16.6232

■ 41.5860, 52.9515,
16.6232

343.7848,
398.0990, 244.9615

■ 28.9669, 37.7641,
9.8071

■ 76.8418, 94.5330,
38.4585

■ 19.2000, 25.7996,
5.1673

■ 100.2092,
121.6958, 54.3148

■ 11.9197, 16.6738,
2.2853

■ 127.8901,
153.6193, 74.0216

■ 6.7608, 10.0022,
0.7230

■ 160.2499,
190.6877, 97.9974

■ 3.3580, 5.4004,
0.0000

197.6539,
233.2855, 126.6607

■ 1.3458, 2.4841,
0.0000

240.4675,

■ 0.2171, 0.8686,

281.7970, 160.4302

0.0000

289.0560,
336.6067, 199.7243

■ 0.0000, 0.0000,
0.0000

■ 41.5860, 52.9515,
16.6232

■ 41.5860, 52.9515,
16.6232

■ 39.9526, 52.1914,
12.9243

■ 43.4818, 53.8236,
21.5440

■ 38.5573, 51.5279,
10.3364

■ 45.6546, 54.8080,
27.7779

■ 37.3771, 50.9537,
8.7348

■ 48.1219, 55.9136,
35.4116

■ 36.3760, 50.4544,
7.9306

■ 50.8990, 57.1464,
44.5231

■ 36.1979, 50.3650,
7.8136

■ 53.9997, 58.5121,
55.1849

■ 57.4372, 60.0160,
67.4646

■ 61.2238, 61.6629,
81.4259

■ 65.3711, 63.4577,
97.1291

■ 67.7758, 64.5589,
103.4967

Harmonies

Analogous

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



52.5509, 52.9515, 14.3526



41.5860, 52.9515, 16.6232



34.1527, 52.9515, 27.6908

Triad

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



41.5860, 52.9515, 16.6232



38.3343, 52.9515, 127.5782



76.2194, 52.9515, 64.1579

Complementary

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



41.5860, 52.9515, 16.6232



20.3367, 14.0614, 58.1454

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.



70.9438, 52.9515, 103.8899



41.5860, 52.9515, 16.6232



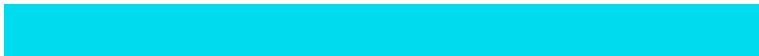
48.1703, 52.9515, 148.5548

Square

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



41.5860, 52.9515, 16.6232



32.4891, 52.9515, 88.6184



60.2184, 52.9515, 138.5286



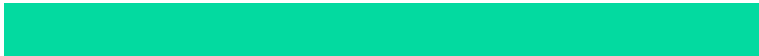
73.7331, 52.9515, 34.9025

Rectangle

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



41.5860, 52.9515, 16.6232



31.6116, 52.9515, 42.0131



60.2184, 52.9515, 138.5286



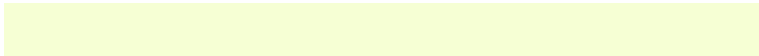
75.2730, 52.9515, 76.7653

Sweetspot

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



41.5873, 52.9539, 16.6243



85.6691, 95.8814, 76.0478



31.6963, 24.2061, 11.5967



18.1227, 20.4279, 15.5582



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.



41.5873, 52.9539, 16.6243



66.2012, 87.0603, 20.2441



30.7989, 47.3923, 16.1194



11.9216, 12.9770, 11.9559



23.1113, 32.0896, 4.9758



1.2503, 1.6854, 0.2594

Inverse Universe

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



20.3367, 14.0614, 58.1454



27.4551, 15.9564, 96.2406



30.0933, 19.0911, 58.6020



10.8114, 10.9521, 14.1145



7.5105, 3.0793, 36.1548



0.4513, 0.1918, 1.8682

Previews

White Background



This preview shows how the XYZ color 41.5860, 52.9515, 16.6232 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 41.5860, 52.9515, 16.6232 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 41.5860, 52.9515, 16.6232

Background



This preview shows how black text looks on a background with the XYZ color 41.5860, 52.9515, 16.6232.



This preview shows how white text looks on a background with the XYZ color 41.5860, 52.9515,

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

41.5860, 52.9515, 16.6232

Protanopia

48.1042, 52.6046, 15.6010

Deuteranopia

53.7469, 52.6268, 17.2228



Tritanopia

51.5096, 52.9243, 65.8931

Trichromacy



Original Color

41.5860, 52.9515, 16.6232

Protanomaly

45.3887, 52.5219, 15.9291

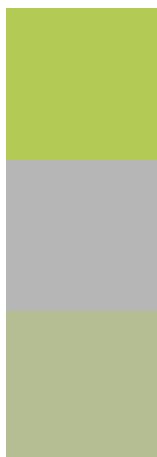
Deuteranomaly

48.5355, 52.1471, 16.9585

Tritanomaly

46.5302, 52.2036, 41.8063

Monochromacy



Original Color

41.5860, 52.9515, 16.6232

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

42.7360, 48.7573, 34.7624

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.5860, 52.9515, 16.6232 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(179, 203, 85)` looks like.

```
.text, #text, p{  
    color:rgb(179, 203, 85)  
}
```

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(179, 203, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 203, 85) }
```

Border

The CSS property to change the border of an element to XYZ 41.5860, 52.9515, 16.6232 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(179, 203, 85) }
```


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

```
.border{ border-color:rgb(179, 203, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 203, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 203, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 203, 85);  
box-shadow:4px 4px 4px 4px rgb(179, 203,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 41.5860, 52.9515, 16.6232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 203, 85) }
```

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

```
.background{ background-color: rgb(179,  
203, 85) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor