

Converting Colors

XYZ(43.1914, 60.5873, 17.9458)

Have a look what the booklet for
XYZ(43.1914, 60.5873, 17.9458)
contains.

XYZ(43.2220, 60.4758, 17.9893)	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(43.2220, 60.4758,
17.9893)**

Conversions

Conversions Part 1

Format	Color
Hex	A6DD55
RGB	166, 221, 85
RGB Percent	65%, 87%, 33%
CMY	0.3490, 0.1333, 0.6667
CMYK	0.25, 0.00, 0.62, 0.13
HSL	84°, 67%, 60%
HSV	84°, 62%, 87%
XYZ	43.2220, 60.4758, 17.9893
YIQ	189.0510, 10.8760, -53.9560

Conversions

Conversions Part 2

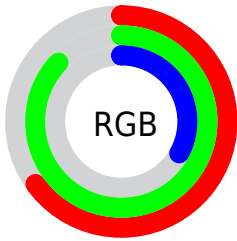
Format	Color
RYB	85, 221, 140
Decimal	10935637
CIELab	82.10, -38.33, 59.39
CIELCh	82, 70.684, 122.841
Yxy	60.4758, 0.3552, 0.4970
Android (android.graphics.Color)	4289125717 (0xFFA6DD55)
YUV	189.0510, -51.2971, -20.2157
Hunter-Lab	77.7662, -36.8816, 40.7210

Details

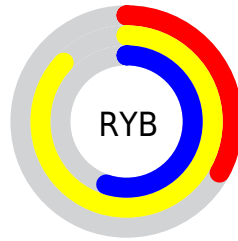
The XYZ color **43.2220, 60.4758, 17.9893** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **27.1175, 17.2947, 70.3191**, and the grayscale version is **48.6804, 51.2156, 55.7738**.

A 20% lighter version of the original color is **71.2341, 89.2607, 38.2856**, and **20.2531, 30.6620, 5.8282** is the 20% darker color. If you saturate the color by 10%, you get **40.6688, 59.2476, 13.9810**, and if you desaturate by 10%, it is **46.1824, 61.8861, 23.4500**.

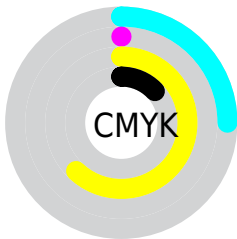
Distribution



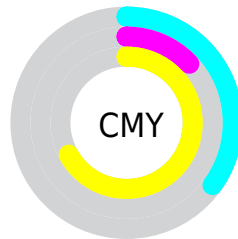
- Red (65%)
- Green (87%)
- Blue (33%)



- Red (33%)
- Yellow (87%)
- Blue (55%)



- Cyan (25%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)





- Cyan (35%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.2220, 60.4758, 17.9893 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 43.2220, 60.4758, 17.9893 by changing the saturation by 10% instead.


 43.2220, 60.4758,
17.9893


 43.2220, 60.4758,
17.9893


350.4300,
426.3493, 253.0448


 30.2546, 43.8023,
10.7729


 79.2994, 105.5196,
40.8328


 20.1810, 30.5151,
5.8021


 103.1401,
134.6586, 57.2970

 12.6357, 20.2299,
2.6583


 131.3360,
168.7215, 77.6809

 7.2534, 12.5623,
0.9223

 164.2523,
208.0928, 102.4030

 3.6688, 7.1278,
0.0000

202.2546,
253.1569, 131.8820

 1.5165, 3.5422,
0.0000

245.7080,

 0.3370, 1.4209,

304.2980, 166.5362

0.0000

294.9780,
361.9007, 206.7843

■ 0.0000, 0.2321,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.2220, 60.4758,
17.9893

■ 43.2220, 60.4758,
17.9893

■ 40.6688, 59.2476,
13.9810

■ 46.1824, 61.8861,
23.4500

■ 38.4895, 58.1816,
11.2814


■ 49.5715, 63.4811,
30.4809


■ 36.6510, 57.2664,
9.7247


■ 53.4138, 65.2731,
39.1923


■ 35.3141, 56.5905,
9.0618


■ 57.7305, 67.2707,
49.6834

 62.5414, 69.4822,
62.0458

 67.8649, 71.9151,
76.3646

 73.7184, 74.5768,
92.7200

 79.0027, 77.0277,
105.3117

 82.0706, 78.6093,
105.4553

Harmonies

Analogous

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



56.0637, 60.4758, 13.0208



43.2220, 60.4758, 17.9893



35.4578, 60.4758, 34.8948

Triad

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



43.2220, 60.4758, 17.9893



45.3005, 60.4758, 170.0015



91.3464, 60.4758, 61.8408

Complementary

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



43.2220, 60.4758, 17.9893



27.1175, 17.2947, 70.3191

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.



87.1327, 60.4758, 111.1791



43.2220, 60.4758, 17.9893



58.9208, 60.4758, 187.5106

Square

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



43.2220, 60.4758, 17.9893



36.5031, 60.4758, 121.5326



74.5733, 60.4758, 162.4177



85.2612, 60.4758, 30.4570

Rectangle

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



43.2220, 60.4758, 17.9893



33.3602, 60.4758, 56.0852



74.5733, 60.4758, 162.4177



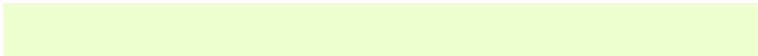
91.0888, 60.4758, 76.6824

Sweetspot

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



43.2234, 60.4785, 17.9906



82.0179, 94.0360, 74.2145



40.7515, 34.6115, 13.1281



17.1509, 19.9414, 14.8626



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.



43.2234, 60.4785, 17.9906



55.2688, 81.4625, 18.0116



32.6001, 55.0019, 17.4934



13.6263, 14.9876, 13.9003



20.6447, 32.9402, 5.2700



1.4340, 2.1838, 0.3459

Inverse Universe

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



27.1175, 17.2947, 70.3191



31.2778, 16.9573, 96.2323



42.1461, 25.0422, 71.0224



12.8348, 12.8729, 16.4604



10.1169, 4.3396, 40.0428



0.7513, 0.3306, 2.5987

Previews

White Background



This preview shows how the XYZ color 43.2220, 60.4758, 17.9893 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 43.2220, 60.4758, 17.9893 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 43.2220, 60.4758, 17.9893

Background



This preview shows how black text looks on a background with the XYZ color 43.2220, 60.4758, 17.9893.

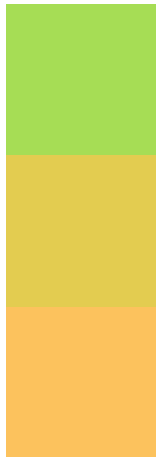


This preview shows how white text looks on a background with the XYZ color 43.2220, 60.4758,

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

43.2220, 60.4758, 17.9893

Protanopia

54.7194, 60.0958, 16.3050

Deuteranopia

61.4125, 60.0693, 18.7137



Tritanopia

55.5345, 60.1978, 79.2134

Trichromacy



Original Color

43.2220, 60.4758, 17.9893

Protanomaly

49.7464, 59.6815, 16.8804

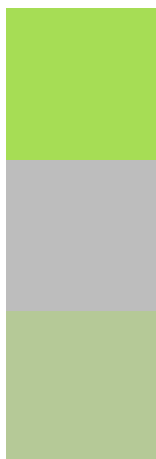
Deuteranomaly

53.2571, 59.2961, 18.3112

Tritanomaly

49.2178, 59.4512, 48.4163

Monochromacy



Original Color

43.2220, 60.4758, 17.9893

Achromatopsia

48.3692, 50.8881, 55.4172

Achromatomaly

45.5286, 53.8314, 37.2690

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.2220, 60.4758, 17.9893 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(166, 221, 85)` looks like.

```
.text, #text, p{  
    color:rgb(166, 221, 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(166, 221, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 221, 85) }
```

Border

The CSS property to change the border of an element to XYZ 43.2220, 60.4758, 17.9893 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(166, 221, 85) }
```


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

```
.border{ border-color:rgb(166, 221, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 221, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 221, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 221, 85);  
box-shadow:4px 4px 4px 4px rgb(166, 221,  
85) }
```

Background

The CSS property to change the background color of an element to XYZ 43.2220, 60.4758, 17.9893 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 221, 85) }
```

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

```
.background{ background-color: rgb(166,  
221, 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](#).

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