

Converting Colors

XYZ(43.6321, 58.6573, 22.1190)

Have a look what the booklet for
XYZ(43.6321, 58.6573, 22.1190)
contains.

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Color

**XYZ(43.6321, 58.6573,
22.1190)**

Conversions

Conversions Part 1	
Format	Color
Hex	AAD868
RGB	170, 216, 104
RGB Percent	67%, 85%, 41%
CMY	0.3333, 0.1529, 0.5921
CMYK	0.21, 0.00, 0.52, 0.15
HSL	85°, 59%, 63%
HSV	85°, 52%, 85%
XYZ	43.6321, 58.6573, 22.1190
YIQ	189.4780, 8.5360, -44.5840

Conversions

Conversions Part 2

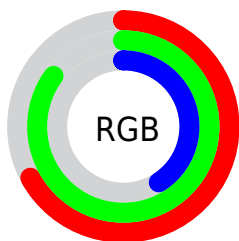
Format	Color
RYB	104, 216, 150
Decimal	11196520
CIELab	81.10, -32.84, 49.85
CIELCh	81, 59.693, 123.376
Yxy	58.6573, 0.3507, 0.4715
Android (android.graphics.Color)	4289386600 (0xFFAAD868)
YUV	189.4780, -42.1407, -17.0822
Hunter-Lab	76.5881, -32.3379, 36.4884

Details

The XYZ color **43.6321, 58.6573, 22.1190** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **29.9251, 21.3442, 67.5118**, and the grayscale version is **48.8757, 51.4211, 55.9975**.

A 20% lighter version of the original color is **73.6101, 90.3195, 45.9015**, and **20.4349, 29.3825, 7.8432** is the 20% darker color. If you saturate the color by 10%, you get **40.8191, 57.3200, 16.9756**, and if you desaturate by 10%, it is **46.8584, 60.1790, 28.7508**.

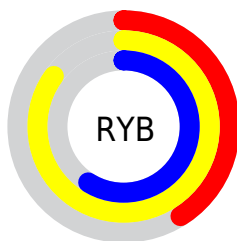
Distribution



Red (67%)

Green (85%)

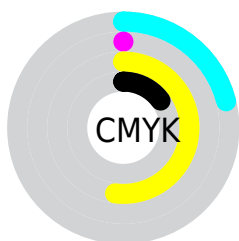
Blue (41%)



Red (41%)

Yellow (85%)

Blue (59%)

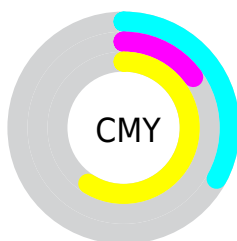


Cyan (21%)

Magenta (0%)

Yellow (52%)

Black (15%)



Cyan (33%)


Magenta (15%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.6321, 58.6573, 22.1190 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 43.6321, 58.6573, 22.1190 by changing the saturation by 10% instead.


 43.6321, 58.6573,
22.1190

 43.6321, 58.6573,
22.1190


352.0825,
419.6307, 276.1408


 30.5780, 42.3373,
13.7452


 79.9136, 102.8794,
47.8473


 20.4280, 29.3655,
7.8069


 103.8718,
131.5503, 66.0389

 12.8166, 19.3575,
3.8857


 132.1955,
165.1070, 88.3402

 7.3785, 11.9289,
1.5628

 165.2499,
203.9339, 115.1697

 3.7484, 6.6953,
0.2641

203.4004,
248.4153, 146.9460

 1.5608, 3.2723,
0.0000


247.0125,


 0.3666, 1.2755,


298.9356, 184.0876


0.0000


296.4514,
355.8793, 227.0130


 0.0000, 0.1221,
0.0000


 0.0000, 0.0000,
0.0000


 43.6321, 58.6573,
22.1190


 43.6321, 58.6573,
22.1190


 40.8191, 57.3200,
16.9756


 46.8584, 60.1790,
28.7508


 38.3908, 56.1491,
13.2014


 50.5159, 61.8863,
36.9705


 36.3207, 55.1360,
10.6650


 54.6261, 63.7903,
46.8736


 34.5761, 54.2670,
9.2075


 59.2079, 65.8987,
58.5467


 33.3513, 53.6479,
8.5973

 64.2789, 68.2188,
72.0707

 69.8557, 70.7575,
87.5213

 75.9207, 73.5081,
104.7948

 78.8759, 75.0315,
104.9331

 81.9786, 76.6310,
105.0783

Harmonies

Analogous

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



54.3593, 58.6573, 17.0642



43.6321, 58.6573, 22.1190



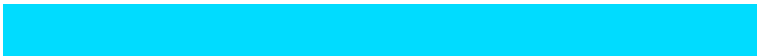
37.0308, 58.6573, 37.8841

Triad

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



43.6321, 58.6573, 22.1190



45.7308, 58.6573, 146.4734



83.1155, 58.6573, 59.9293

Complementary

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



43.6321, 58.6573, 22.1190



29.9251, 21.3442, 67.5118

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.



79.9107, 58.6573, 99.6351



43.6321, 58.6573, 22.1190



57.1683, 58.6573, 159.2178

Square

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



43.6321, 58.6573, 22.1190



38.1103, 58.6573, 109.3033



69.9310, 58.6573, 139.5889



78.1385, 58.6573, 33.1754

Rectangle

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



43.6321, 58.6573, 22.1190



35.2557, 58.6573, 56.3066



69.9310, 58.6573, 139.5889



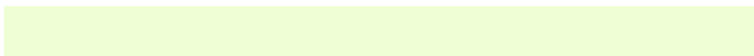
82.9618, 58.6573, 72.0774

Sweetspot

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



43.6335, 58.6599, 22.1203



83.2641, 94.6042, 77.6243



41.5357, 37.0321, 18.0562



17.5263, 20.1131, 15.8629



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.



43.6335, 58.6599, 22.1203



59.1631, 83.3361, 24.2521



34.1530, 53.7725, 21.6766



12.9567, 14.2539, 13.2291



19.8648, 31.8170, 5.0943



1.2911, 1.9670, 0.3116

Inverse Universe

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



29.9251, 21.3442, 67.5118



37.1833, 23.4156, 97.1676



42.4690, 27.8108, 68.0988



12.2209, 12.2553, 15.6589



9.8750, 4.2433, 38.7517



0.6883, 0.3037, 2.3417

Previews

White Background



This preview shows how the XYZ color 43.6321, 58.6573, 22.1190 looks on a white background.

Color Contrast Check

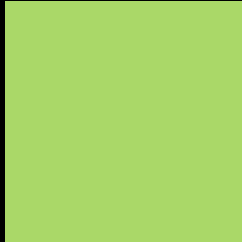
Large Text (above 18pt) WCAG AA × Fail

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 43.6321, 58.6573, 22.1190 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 43.6321, 58.6573, 22.1190

Background



This preview shows how black text looks on a background with the XYZ color 43.6321, 58.6573, 22.1190.

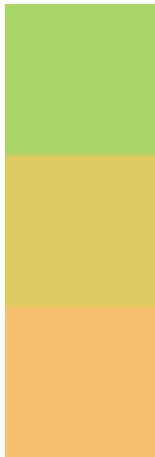


This preview shows how white text looks on a background with the XYZ color 43.6321, 58.6573,

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

43.6321, 58.6573, 22.1190

Protanopia

53.2630, 58.2037, 20.2316

Deuteranopia

59.1015, 57.7999, 22.7934



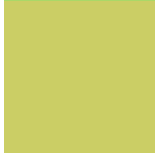
Tritanopia

54.2818, 58.1935, 76.0817

Trichromacy



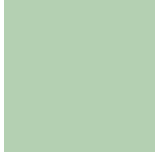
Original Color
43.6321, 58.6573, 22.1190



Protanomaly
49.0489, 57.7787, 20.8792



Deuteranomaly
52.2745, 57.2967, 22.4916

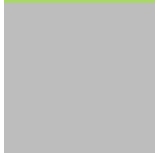


Tritanomaly
49.4141, 58.0294, 50.7159

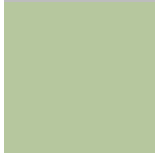
Monochromacy



Original Color
43.6321, 58.6573, 22.1190



Achromatopsia
48.3692, 50.8881, 55.4172



Achromatomaly
45.8864, 53.2606, 40.2096

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.6321, 58.6573, 22.1190 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(170, 216, 104)` looks like.

```
.text, #text, p{  
    color:rgb(170, 216, 104)  
}
```

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(170, 216, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(170, 216, 104) }
```

Border

The CSS property to change the border of an element to XYZ 43.6321, 58.6573, 22.1190 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(170, 216, 104) }
```

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

```
.border{ border-color:rgb(170, 216, 104) }
```

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

Here you see how a box with a 4 pixel rgb(170, 216, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(170, 216, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(170, 216, 104);  
box-shadow:4px 4px 4px 4px rgb(170, 216,  
104) }
```

Background

The CSS property to change the background color of an element to XYZ 43.6321, 58.6573, 22.1190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(170, 216, 104) }
```

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

```
.background{ background-color: rgb(170,  
216, 104) }
```

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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