

Converting Colors

XYZ(44.9653, 60.6641, 14.8083)

Have a look what the booklet for
XYZ(44.9653, 60.6641, 14.8083)
contains.

XYZ(44.9653, 60.6641, 14.8083)	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(44.9653, 60.6641,
14.8083)**

Conversions

Conversions Part 1

Format	Color
Hex	B3DB44
RGB	179, 219, 68
RGB Percent	70%, 86%, 27%
CMY	0.2980, 0.1412, 0.7333
CMYK	0.18, 0.00, 0.69, 0.14
HSL	76°, 68%, 56%
HSV	76°, 69%, 86%
XYZ	44.9653, 60.6641, 14.8083
YIQ	189.8260, 24.6310, -55.4410

Conversions

Conversions Part 2

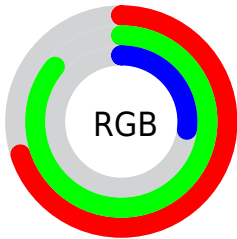
Format	Color
RYB	68, 219, 108
Decimal	11787076
CIELab	82.20, -33.67, 66.45
CIELCh	82, 74.497, 116.869
Yxy	60.6641, 0.3733, 0.5037
Android (android.graphics.Color)	4289977156 (0xFFB3DB44)
YUV	189.8260, -60.0602, -9.4944
Hunter-Lab	77.8872, -33.2521, 43.2485

Details

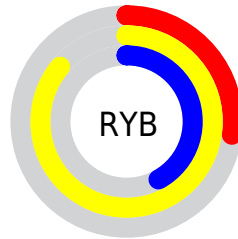
The XYZ color **44.9653, 60.6641, 14.8083** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **21.0400, 12.4385, 68.3134**, and the grayscale version is **49.1698, 51.7304, 56.3345**.

A 20% lighter version of the original color is **74.6580, 91.1524, 32.7281**, and **21.3015, 30.6885, 4.8008** is the 20% darker color. If you saturate the color by 10%, you get **43.1053, 59.7706, 11.8606**, and if you desaturate by 10%, it is **47.1341, 61.6920, 19.0754**.

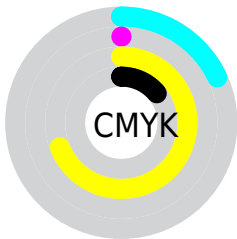
Distribution



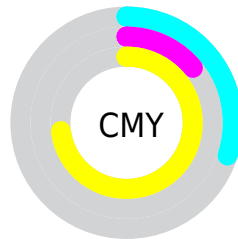
- Red (70%)
- Green (86%)
- Blue (27%)



- Red (27%)
- Yellow (86%)
- Blue (42%)



- Cyan (18%)
- Magenta (0%)
- Yellow (69%)
- Black (14%)



- Cyan (30%)
- Magenta (14%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 44.9653, 60.6641, 14.8083 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 44.9653, 60.6641, 14.8083 by changing the saturation by 10% instead.


 44.9653, 60.6641,
14.8083


 44.9653, 60.6641,
14.8083


357.4191,
427.0413, 233.8036

 31.6313, 43.9541,
8.5398


 81.9057, 105.7924,
35.2541

 21.2342, 30.6345,
4.3496

 106.2428,
134.9796, 50.2684


 13.4087, 20.3207,
1.8190

 134.9783,
169.0946, 69.0352

 7.7895, 12.6283,
0.4405

 168.4775,
208.5219, 91.9729

 4.0112, 7.1731,
0.0000

 207.1059,
253.6458, 119.5000

 1.7085, 3.5706,
0.0000

251.2287,

 0.4616, 1.4364,

304.8507, 152.0352

0.0000

301.2113,
362.5211, 189.9969

■ 0.0000, 0.2433,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 44.9653, 60.6641,
14.8083

■ 44.9653, 60.6641,
14.8083

■ 43.1053, 59.7706,
11.8606

■ 47.1341, 61.6920,
19.0754

■ 41.5198, 58.9911,
10.0734


■ 49.6332, 62.8564,
24.7894


■ 40.1632, 58.3096,
9.2042


■ 52.4864, 64.1692,
32.0668


■ 40.0272, 58.2410,
9.1320


■ 55.7141, 65.6385,
41.0116

 59.3350, 67.2719,
51.7185

 63.3663, 69.0764,
64.2752

 67.8242, 71.0584,
78.7637

 72.7240, 73.2243,
95.2608

 76.4090, 74.9114,
105.0399

Harmonies

Analogous

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



59.3385, 60.6641, 11.6400



44.9653, 60.6641, 14.8083



35.7372, 60.6641, 28.9392

Triad

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



44.9653, 60.6641, 14.8083



42.5687, 60.6641, 169.2793



93.7146, 60.6641, 70.9311

Complementary

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



44.9653, 60.6641, 14.8083



21.0400, 12.4385, 68.3134

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.



87.0972, 60.6641, 126.0885



44.9653, 60.6641, 14.8083



56.0123, 60.6641, 196.9687

Square

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



44.9653, 60.6641, 14.8083



34.5418, 60.6641, 113.8153



72.5425, 60.6641, 178.3563



89.3050, 60.6641, 33.9635

Rectangle

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



44.9653, 60.6641, 14.8083



32.8020, 60.6641, 48.1584



72.5425, 60.6641, 178.3563



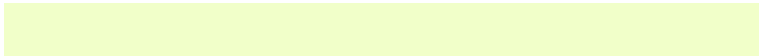
92.6807, 60.6641, 87.9077

Sweetspot

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



44.9667, 60.6668, 14.8096



82.5673, 94.4261, 69.4106



35.3874, 25.7360, 8.5721



17.3635, 20.0717, 13.9351



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.



44.9667, 60.6668, 14.8096



59.7360, 83.8289, 15.3515



32.2913, 54.1324, 14.2164



13.8081, 15.0813, 13.9088



23.8414, 34.5882, 5.4196



1.6242, 2.2819, 0.3548

Inverse Universe

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



21.0400, 12.4385, 68.3134



24.1187, 11.6499, 95.5852



33.9703, 19.1043, 68.9185



12.6606, 12.7832, 16.4522



8.7056, 3.6121, 39.9768



0.6450, 0.2758, 2.5937

Previews

White Background



This preview shows how the XYZ color 44.9653, 60.6641, 14.8083 looks on a white background.

Color Contrast Check

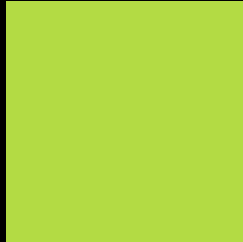
Large Text (above 18pt) WCAG AA × Fail

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 44.9653, 60.6641, 14.8083 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 44.9653, 60.6641, 14.8083

Background



This preview shows how black text looks on a background with the XYZ color 44.9653, 60.6641, 14.8083.



This preview shows how white text looks on a background with the XYZ color 44.9653, 60.6641,

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

44.9653, 60.6641, 14.8083

Protanopia

54.5132, 60.0499, 13.5681

Deuteranopia

61.5044, 60.1902, 15.3974



Tritanopia

57.6474, 60.6189, 77.0689

Trichromacy



Original Color

44.9653, 60.6641, 14.8083

Protanomaly

50.3329, 59.6842, 13.8684

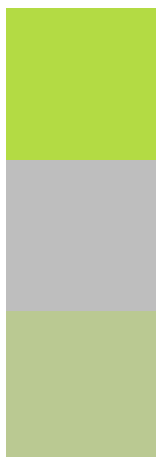
Deuteranomaly

54.2705, 59.5372, 15.1100

Tritanomaly

51.0733, 59.7569, 44.4397

Monochromacy



Original Color

44.9653, 60.6641, 14.8083

Achromatopsia

48.9429, 51.4918, 56.0745

Achromatomaly

46.3247, 54.2877, 35.2311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 44.9653, 60.6641, 14.8083 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, 219, 68)` looks like.

```
.text, #text, p{  
    color:rgb(179, 219, 68)  
}
```

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, 219, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 219, 68) }
```

Border

The CSS property to change the border of an element to XYZ 44.9653, 60.6641, 14.8083 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, 219, 68) }
```


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

```
.border{ border-color:rgb(179, 219, 68) }
```

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

Here you see how a box with a 4 pixel rgb(179, 219, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 219, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 219, 68);  
box-shadow:4px 4px 4px 4px rgb(179, 219,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 44.9653, 60.6641, 14.8083 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 219, 68) }
```

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

```
.background{ background-color: rgb(179,  
219, 68) }
```

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