

Converting Colors

XYZ(48.4744, 51.6839, 83.8040)

Have a look what the booklet for
XYZ(48.4744, 51.6839, 83.8040)
contains.

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Color

**XYZ(48.3334, 51.5432,
83.7453)**

Conversions

Conversions Part 1

Format	Color
Hex	A1C1E8
RGB	161, 193, 232
RGB Percent	63%, 76%, 91%
CMY	0.3686, 0.2431, 0.0902
CMYK	0.31, 0.17, 0.00, 0.09
HSL	213°, 61%, 77%
HSV	213°, 31%, 91%
XYZ	48.3334, 51.5432, 83.7453
YIQ	187.8780, -31.5910, 5.3450

Conversions

Conversions Part 2

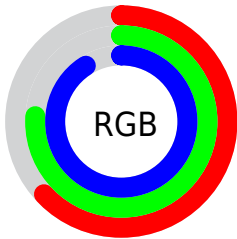
Format	Color
R _Y B	161, 183, 232
Decimal	10600936
CIE Lab	77.01, -1.80, -22.89
CIE LCh	77, 22.958, 265.504
Yxy	51.5432, 0.2632, 0.2807
Android (android.graphics.Color)	4288791016 (0xFFA1C1E8)
YUV	187.8780, 21.7521, -23.5720
Hunter-Lab	71.7936, -5.4677, -18.9047

Details

The XYZ color **48.3334, 51.5432, 83.7453** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **60.3668, 61.0382, 42.3196**, and the grayscale version is **47.6254, 50.1056, 54.5650**.

A 20% lighter version of the original color is **80.5410, 89.7231, 107.6811**, and **23.2780, 25.0166, 44.6761** is the 20% darker color. If you saturate the color by 10%, you get **41.3882, 43.9605, 82.6486**, and if you desaturate by 10%, it is **56.3920, 60.0626, 84.9659**.

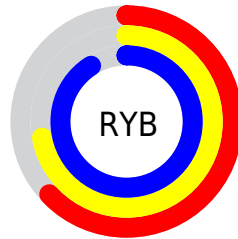
Distribution



Red (63%)

Green (76%)

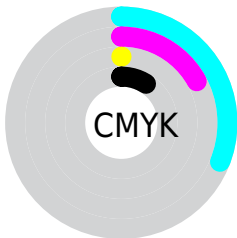
Blue (91%)



Red (63%)

Yellow (72%)

Blue (91%)

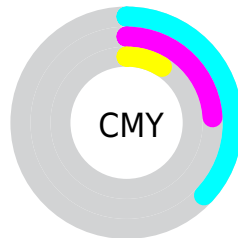


Cyan (31%)

Magenta (17%)

Yellow (0%)

Black (9%)



Cyan (37%)

Magenta (24%)

Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.3334, 51.5432, 83.7453 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 48.3334, 51.5432, 83.7453 by changing the saturation by 10% instead.

■ 48.3334, 51.5432,
83.7453

■ 48.3334, 51.5432,
83.7453

370.6728,
392.6706, 527.5030

■ 34.3033, 36.6411,
62.2610

■ 86.9073, 92.4572,
140.4774

■ 23.2907, 24.9297,
44.8065

■ 112.1818,
119.2379, 176.5622

■ 14.9302, 16.0247,
30.9632

141.9352,
150.7469, 218.3510

■ 8.8564, 9.5416,
20.3126

176.5329,
187.3686, 266.2623

■ 4.7040, 5.0961,
12.4361

216.3401,
229.4875, 320.7146

■ 2.1076, 2.3038,
6.9153

261.7222,

■ 0.6933, 0.7757,

277.4878, 382.1265

3.3315

313.0447,
331.7540, 450.9164

■ 0.0000, 0.0000,
1.2663

■ 0.0000, 0.0000,
0.0339

■ 48.3334, 51.5432,
83.7453

■ 48.3334, 51.5432,
83.7453

■ 41.3882, 43.9605,
82.6486

■ 56.3920, 60.0626,
84.9659

■ 35.4974, 37.2716,
81.6680

■ 65.6094, 69.5473,
86.3108

■ 30.6036, 31.4384,
80.8000

■ 76.0342, 80.0319,
87.7851

■ 26.6413, 26.4176,
80.0398

■ 87.7106, 91.5475,
89.3924

■ 23.5361, 22.1605,
79.3817

■ 91.5657, 98.6063,
90.5517

■ 21.2005, 18.6112,
78.8197

■ 19.5734, 15.8417,
78.3709

Harmonies

Analogous

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



44.3764, 51.5432, 78.4243



48.3334, 51.5432, 83.7453



52.7043, 51.5432, 80.8100

Triad

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



48.3334, 51.5432, 83.7453



56.9862, 51.5432, 46.3697



42.3758, 51.5432, 43.5470

Complementary

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



48.3334, 51.5432, 83.7453



60.3668, 61.0382, 42.3196

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.



45.4549, 51.5432, 37.0561



48.3334, 51.5432, 83.7453



53.9133, 51.5432, 38.5075

Square

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



48.3334, 51.5432, 83.7453



57.8692, 51.5432, 58.0328



49.6531, 51.5432, 35.3579



41.0694, 51.5432, 54.2532

Rectangle

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



48.3334, 51.5432, 83.7453



55.2424, 51.5432, 74.7678



49.6531, 51.5432, 35.3579



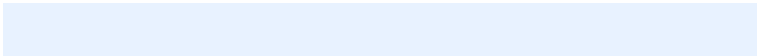
43.2286, 51.5432, 40.8662

Sweetspot

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



48.3350, 51.5452, 83.7465



83.2145, 88.1233, 107.2314



53.8491, 69.4087, 64.5121



17.4268, 18.4717, 22.8969



0.0000, 0.0000, 0.0000



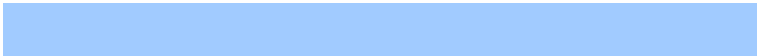
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



48.3350, 51.5452, 83.7465



54.0750, 57.5557, 102.8670



42.4912, 39.1428, 81.6606



14.1151, 14.9516, 18.2863



10.9882, 9.0385, 43.5486



0.9037, 0.8513, 3.2487

Inverse Universe

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



55.6506, 46.4973, 56.4960



64.7242, 50.9478, 63.0324



67.8062, 77.0498, 45.0180



14.6457, 14.4755, 16.3346



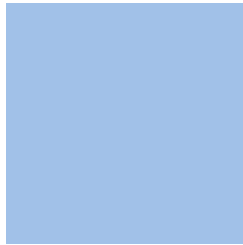
19.9399, 10.1102, 8.5782



1.5198, 0.7656, 0.8776

Previews

White Background



This preview shows how the XYZ color 48.3334, 51.5432, 83.7453 looks on a white background.

Color Contrast Check

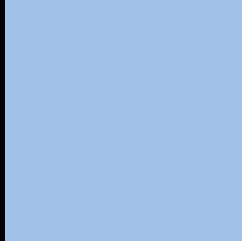
Large Text (above 18pt) WCAG AA × Fail

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 48.3334, 51.5432, 83.7453 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

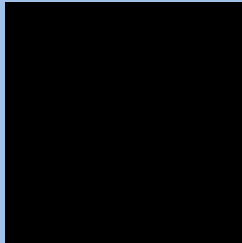
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

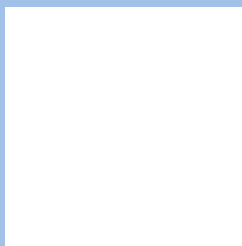
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.3334, 51.5432, 83.7453

Background



This preview shows how black text looks on a background with the XYZ color 48.3334, 51.5432, 83.7453.



This preview shows how white text looks on a background with the XYZ color 48.3334, 51.5432,

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

48.3334, 51.5432, 83.7453

Protanopia

51.1821, 51.4473, 81.3615

Deuteranopia

52.6599, 51.4974, 85.0064



Tritanopia

45.5282, 51.4014, 69.8092

Trichromacy



Original Color

48.3334, 51.5432, 83.7453

Protanomaly

50.1519, 51.5388, 82.1676

Deuteranomaly

51.0370, 51.6255, 84.3656

Tritanomaly

46.4018, 51.4138, 74.4960

Monochromacy



Original Color

48.3334, 51.5432, 83.7453

Achromatopsia

47.7994, 50.2886, 54.7643

Achromatomaly

47.6726, 50.6515, 64.3908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.3334, 51.5432, 83.7453 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(161, 193, 232)` looks like.

```
.text, #text, p{  
    color:rgb(161, 193, 232)  
}
```

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(161, 193, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 193, 232) }
```

Border

The CSS property to change the border of an element to XYZ 48.3334, 51.5432, 83.7453 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(161, 193, 232) }
```


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

```
.border{ border-color:rgb(161, 193, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 193, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 193, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 193, 232);  
box-shadow:4px 4px 4px 4px rgb(161, 193,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 48.3334, 51.5432, 83.7453 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 193, 232) }
```

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

```
.background{ background-color: rgb(161,  
193, 232) }
```

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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