

Converting Colors

XYZ(45.1653, 53.4252, 79.4532)

Have a look what the booklet for
XYZ(45.1653, 53.4252, 79.4532)
contains.

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Color

**XYZ(45.0999, 53.3824,
79.1610)**

Conversions

Conversions Part 1

Format	Color
Hex	88CBE1
RGB	136, 203, 225
RGB Percent	53%, 80%, 88%
CMY	0.4667, 0.2039, 0.1176
CMYK	0.40, 0.10, 0.00, 0.12
HSL	195°, 60%, 71%
HSV	195°, 40%, 88%
XYZ	45.0999, 53.3824, 79.1610
YIQ	185.4750, -46.9940, -7.3620

Conversions

Conversions Part 2

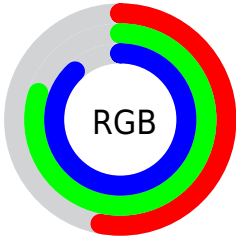
Format	Color
R_{YB}	136, 174, 225
Decimal	8965089
CIE _{Lab}	78.10, -15.62, -17.60
CIE _{LCh}	78, 23.528, 228.407
Yxy	53.3824, 0.2539, 0.3005
Android (android.graphics.Color)	4287155169 (0xFF88CBE1)
YUV	185.4750, 19.4858, -43.3896
Hunter-Lab	73.0633, -17.6777, -13.0940

Details

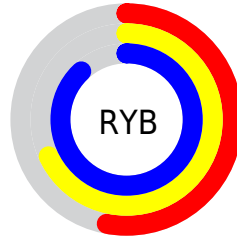
The XYZ color **45.0999, 53.3824, 79.1610** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.7231, 42.2397, 28.9318**, and the grayscale version is **46.2936, 48.7044, 53.0391**.

A 20% lighter version of the original color is **75.5482, 89.9465, 107.9873**, and **21.3965, 26.1465, 41.9493** is the 20% darker color. If you saturate the color by 10%, you get **40.5327, 49.1142, 78.5788**, and if you desaturate by 10%, it is **50.4846, 58.1444, 79.7973**.

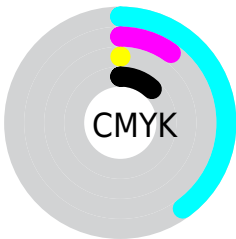
Distribution



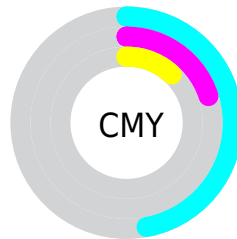
- Red (53%)
- Green (80%)
- Blue (88%)



- Red (53%)
- Yellow (68%)
- Blue (88%)



- Cyan (40%)
- Magenta (10%)
- Yellow (0%)
- Black (12%)



- Cyan (47%)
- Magenta (20%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.0999, 53.3824, 79.1610 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 45.0999, 53.3824, 79.1610 by changing the saturation by 10% instead.

■ 45.0999, 53.3824,
79.1610

■ 45.0999, 53.3824,
79.1610

357.9549,
399.7505, 511.7328

■ 31.7377, 38.1081,
58.5061

■ 82.1064, 95.1668,
133.9862

■ 21.3158, 26.0666,
41.7983

■ 106.4815,
122.4458, 168.9936

■ 13.4688, 16.8735,
28.6190

■ 135.2583,
154.4951, 209.6222

■ 7.8314, 10.1443,
18.5497

168.8021,
191.6991, 256.2906

■ 4.0381, 5.4948,
11.1718

207.4783,
234.4423, 309.4173

■ 1.7237, 2.5404,
6.0669

251.6523,

■ 0.4711, 0.8968,

283.1090, 369.4209

2.8164

301.6894,
338.0836, 436.7199

■ 0.0000, 0.0000,
1.0016

■ 0.0000, 0.0000,
0.0000

■ 45.0999, 53.3824,
79.1610

■ 45.0999, 53.3824,
79.1610

■ 40.5327, 49.1142,
78.5788

■ 50.4846, 58.1444,
79.7973

■ 36.7290, 45.3076,
78.0445

■ 56.7264, 63.4177,
80.4862

■ 33.6362, 41.9360,
77.5568

■ 63.8683, 69.2264,
81.2309

■ 31.1924, 38.9667,
77.1124

■ 71.9488, 75.5911,
82.0335

■ 29.3241, 36.3610,
76.7080

■ 81.0043, 82.5310,
82.8958

■ 27.9098, 34.0557,
76.3375

■ 84.9335, 86.9017,
83.5323

■ 27.8509, 33.9566,
76.3215

■ 86.5631, 90.1610,
84.0756

■ 88.2431, 93.5209,
84.6356

■ 89.9738, 96.9824,
85.2125

Harmonies

Analogous

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



42.8133, 53.3824, 66.4803



45.0999, 53.3824, 79.1610



48.9846, 53.3824, 86.5808

Triad

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



45.0999, 53.3824, 79.1610



59.8885, 53.3824, 63.3555



48.0011, 53.3824, 37.2812

Complementary

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



45.0999, 53.3824, 79.1610



47.7231, 42.2397, 28.9318

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.



52.5335, 53.3824, 36.7057



45.0999, 53.3824, 79.1610



59.5856, 53.3824, 50.4997

Square

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



45.0999, 53.3824, 79.1610



57.6323, 53.3824, 76.5784



56.8282, 53.3824, 41.1898



44.4174, 53.3824, 42.9022

Rectangle

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



45.0999, 53.3824, 79.1610



52.0402, 53.3824, 86.8996



56.8282, 53.3824, 41.1898



49.4584, 53.3824, 36.5263

Sweetspot

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



45.1016, 53.3845, 79.1622



82.3090, 89.9201, 107.6259



43.1457, 61.5122, 41.3944



17.3443, 19.0257, 23.0081



0.0000, 0.0000, 0.0000



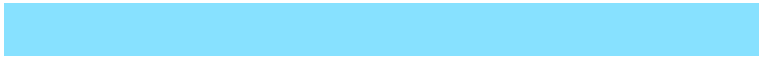
20.3446, 21.4041, 23.3091

Same Dimension

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



45.1016, 53.3845, 79.1622



55.0929, 66.4376, 104.5278



36.2699, 35.7212, 76.2184



13.8146, 14.9684, 17.5488



16.1453, 19.7602, 44.0115



1.1882, 1.5078, 3.0737

Inverse Universe

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



50.6364, 37.9291, 61.1544



63.5670, 44.0866, 76.6629



56.4453, 59.6841, 31.8392



14.1427, 13.8747, 16.5214



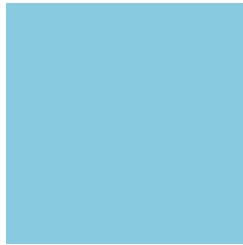
22.0896, 10.9028, 22.9355



1.5660, 0.7697, 1.7733

Previews

White Background



This preview shows how the XYZ color 45.0999, 53.3824, 79.1610 looks on a white background.

Color Contrast Check

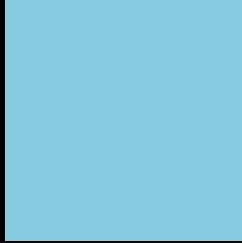
Large Text (above 18pt) WCAG AA × Fail

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 45.0999, 53.3824, 79.1610 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

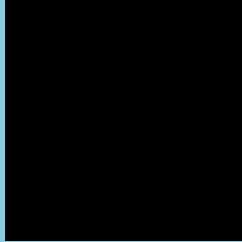
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.0999, 53.3824, 79.1610

Background



This preview shows how black text looks on a background with the XYZ color 45.0999, 53.3824, 79.1610.



This preview shows how white text looks on a background with the XYZ color 45.0999, 53.3824,

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

45.0999, 53.3824, 79.1610

Protanopia

51.8942, 52.9627, 73.1333

Deuteranopia

53.9791, 52.9053, 80.7655



Tritanopia

44.5028, 53.5039, 75.6919

Trichromacy



Original Color

45.0999, 53.3824, 79.1610

Protanomaly

48.7956, 52.6325, 75.2974

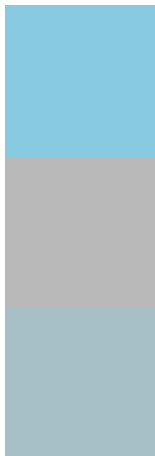
Deuteranomaly

49.9483, 52.4566, 80.1656

Tritanomaly

44.7694, 53.6106, 77.0955

Monochromacy



Original Color

45.0999, 53.3824, 79.1610

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

45.2113, 50.0849, 61.9280

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.0999, 53.3824, 79.1610 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(136, 203, 225)` looks like.

```
.text, #text, p{  
    color:rgb(136, 203, 225)  
}
```

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(136, 203, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 203, 225) }
```

Border

The CSS property to change the border of an element to XYZ 45.0999, 53.3824, 79.1610 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(136, 203, 225) }
```


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

```
.border{ border-color:rgb(136, 203, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 203, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 203, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 203, 225);  
box-shadow:4px 4px 4px 4px rgb(136, 203,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 45.0999, 53.3824, 79.1610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 203, 225) }
```

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

```
.background{ background-color: rgb(136,  
203, 225) }
```

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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