

Converting Colors

XYZ(45.3767, 63.9127, 52.7872)

Have a look what the booklet for
XYZ(45.3767, 63.9127, 52.7872)
contains.

XYZ(45.3619, 64.0391, 52.6178)	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(45.3619, 64.0391,
52.6178)**

Conversions

Conversions Part 1

Format	Color
Hex	82E5B3
RGB	130, 229, 179
RGB Percent	51%, 90%, 70%
CMY	0.4902, 0.1019, 0.2980
CMYK	0.43, 0.00, 0.22, 0.10
HSL	150°, 66%, 70%
HSV	150°, 43%, 90%
XYZ	45.3619, 64.0391, 52.6178
YIQ	193.6990, -42.9540, -36.5380

Conversions

Conversions Part 2

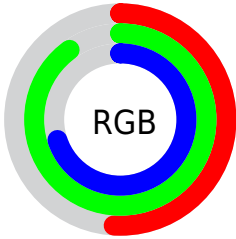
Format	Color
RYB	130, 196, 229
Decimal	8578483
CIELab	83.99, -40.23, 15.44
CIElCh	84, 43.097, 159.003
Yxy	64.0391, 0.2800, 0.3953
Android (android.graphics.Color)	4286768563 (0xFF82E5B3)
YUV	193.6990, -7.2466, -55.8640
Hunter-Lab	80.0244, -38.8599, 17.0326

Details

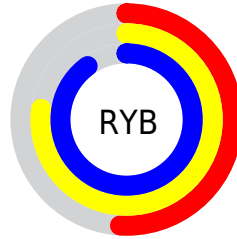
The XYZ color **45.3619, 64.0391, 52.6178** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **48.5360, 35.9200, 47.5575**, and the grayscale version is **51.1613, 53.8257, 58.6161**.

A 20% lighter version of the original color is **71.2489, 88.0830, 91.8438**, and **21.4571, 32.8100, 24.9407** is the 20% darker color. If you saturate the color by 10%, you get **41.1116, 61.9792, 46.5672**, and if you desaturate by 10%, it is **50.4955, 66.5464, 59.2248**.

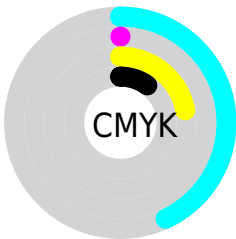
Distribution



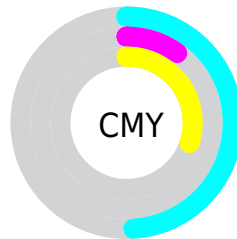
- Red (51%)
- Green (90%)
- Blue (70%)



- Red (51%)
- Yellow (77%)
- Blue (90%)



- Cyan (43%)
- Magenta (0%)
- Yellow (22%)
- Black (10%)





- Cyan (49%)
- Magenta (10%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.3619, 64.0391, 52.6178 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 45.3619, 64.0391, 52.6178 by changing the saturation by 10% instead.


 45.3619, 64.0391,
52.6178


 45.3619, 64.0391,
52.6178


358.9964,
439.3308, 413.8417


 31.9451, 46.6823,
37.1121


 82.4969, 110.6672,
95.4776

 21.4749, 32.7846,
24.9978


 106.9459,
140.7074, 123.6687

 13.5860, 21.9615,
15.8564


 135.8029,
175.7442, 156.9255

 7.9131, 13.8286,
9.2694

169.4333,
216.1620, 195.6663

 4.0907, 8.0016,
4.8181

208.2025,
262.3451, 240.3098

 1.7536, 4.0959,
2.0841

252.4758,

 0.4895, 1.7274,

314.6780, 291.2745

0.6063

302.6187,
373.5451, 348.9790

■ 0.0000, 0.4413,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.3619, 64.0391,
52.6178

■ 45.3619, 64.0391,
52.6178

■ 41.1116, 61.9792,
46.5672

■ 50.4955, 66.5464,
59.2248

■ 37.6844, 60.3310,
41.0535


■ 56.5571, 69.5188,
66.3981


■ 35.0208, 59.0655,
36.0624


■ 63.5944, 72.9823,
74.1531

■ 33.0502, 58.1469,
31.5768


■ 71.6505, 76.9589,
82.5032

 31.6874, 57.5314,
27.5788

 80.7656, 81.4691,
91.4610

 31.0204, 57.2409,
25.1378

 86.2657, 84.1031,
100.8186

 87.3105, 84.5210,
106.3202

Harmonies

Analogous

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



50.0833, 64.0391, 36.4726



45.3619, 64.0391, 52.6178



44.5550, 64.0391, 78.2353

Triad

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



45.3619, 64.0391, 52.6178



63.7695, 64.0391, 135.1811



76.1885, 64.0391, 41.7223

Complementary

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



45.3619, 64.0391, 52.6178



48.5360, 35.9200, 47.5575

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.



80.7420, 64.0391, 61.8604



45.3619, 64.0391, 52.6178



73.0976, 64.0391, 118.7731

Square

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



45.3619, 64.0391, 52.6178



54.5560, 64.0391, 130.8313



79.5556, 64.0391, 90.1947



67.6474, 64.0391, 31.4138

Rectangle

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



45.3619, 64.0391, 52.6178



46.2533, 64.0391, 98.2804



79.5556, 64.0391, 90.1947



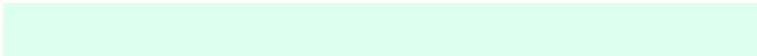
78.2746, 64.0391, 47.3216

Sweetspot

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



45.3636, 64.0417, 52.6193



81.3087, 93.2141, 94.7938



51.1419, 67.4950, 31.4523



16.9520, 19.7292, 19.8050



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.



45.3636, 64.0417, 52.6193



52.9230, 79.3189, 60.1139



51.1408, 66.3526, 83.0415



14.4852, 16.2075, 16.8200



17.7959, 32.7505, 14.6914



1.3619, 2.4389, 1.3324

Inverse Universe

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



48.5360, 35.9200, 47.5575



57.4744, 38.9678, 52.8480



44.4385, 34.2810, 25.9800



14.6792, 14.4889, 16.5109



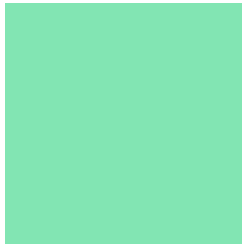
20.3271, 10.2650, 10.6172



1.5490, 0.7773, 1.0316

Previews

White Background



This preview shows how the XYZ color 45.3619, 64.0391, 52.6178 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 45.3619, 64.0391, 52.6178 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 45.3619, 64.0391, 52.6178

Background



This preview shows how black text looks on a background with the XYZ color 45.3619, 64.0391, 52.6178.



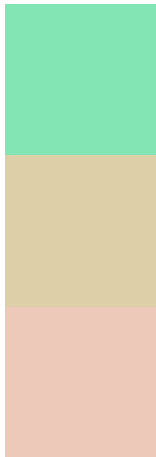
This preview shows how white text looks on a background with the XYZ color 45.3619, 64.0391,

52.6178.

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

45.3619, 64.0391, 52.6178

Protanopia

59.5361, 63.3485, 46.6257

Deuteranopia

64.5687, 63.2806, 54.7102



Tritanopia

53.1135, 63.9646, 91.2084

Trichromacy



Original Color

45.3619, 64.0391, 52.6178



Protanomaly

52.8377, 62.8202, 48.8758



Deuteranomaly

55.1302, 62.0132, 53.8638



Tritanomaly

49.9953, 63.8965, 75.3439

Monochromacy



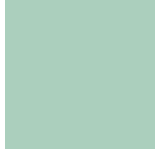
Original Color

45.3619, 64.0391, 52.6178



Achromatopsia

51.2775, 53.9479, 58.7493



Achromatomaly

48.2927, 56.9577, 56.5928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.3619, 64.0391, 52.6178 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(130, 229, 179)` looks like.

```
.text, #text, p{  
    color:rgb(130, 229, 179)  
}
```

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(130, 229, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 229, 179) }
```

Border

The CSS property to change the border of an element to XYZ 45.3619, 64.0391, 52.6178 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(130, 229, 179) }
```


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

```
.border{ border-color:rgb(130, 229, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 229, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 229, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 229, 179);  
box-shadow:4px 4px 4px 4px rgb(130, 229,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 45.3619, 64.0391, 52.6178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 229, 179) }
```

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

```
.background{ background-color: rgb(130,  
229, 179) }
```

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