

Converting Colors

XYZ(36.4907, 44.8172, 52.1184)

Have a look what the booklet for
XYZ(36.4907, 44.8172, 52.1184)
contains.

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Color

**XYZ(36.5222, 44.8424,
52.0779)**

Conversions

Conversions Part 1

Format	Color
Hex	85BDB8
RGB	133, 189, 184
RGB Percent	52%, 74%, 72%
CMY	0.4784, 0.2588, 0.2784
CMYK	0.30, 0.00, 0.03, 0.26
HSL	175°, 30%, 63%
HSV	175°, 30%, 74%
XYZ	36.5222, 44.8424, 52.0779
YIQ	171.6860, -31.7710, -13.4270

Conversions

Conversions Part 2

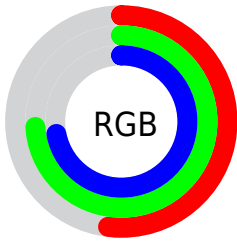
Format	Color
R _Y B	133, 162, 189
Decimal	8764856
CIE Lab	72.79, -19.20, -3.33
CIE LCh	73, 19.489, 189.827
Yxy	44.8424, 0.2737, 0.3360
Android (android.graphics.Color)	4286954936 (0xFF85BDB8)
YUV	171.6860, 6.0708, -33.9276
Hunter-Lab	66.9645, -19.8345, 0.7656

Details

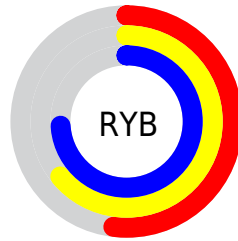
The XYZ color **36.5222, 44.8424, 52.0779** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.9628, 29.4302, 27.9371**, and the grayscale version is **39.0369, 41.0698, 44.7250**.

A 20% lighter version of the original color is **69.1196, 82.2875, 94.6782**, and **16.2942, 20.9963, 24.6666** is the 20% darker color. If you saturate the color by 10%, you get **33.6270, 43.3713, 51.0250**, and if you desaturate by 10%, it is **39.9590, 46.5947, 53.1691**.

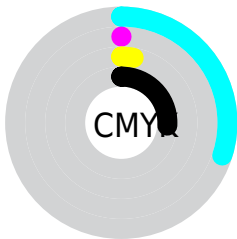
Distribution



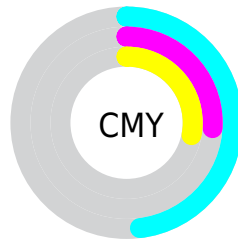
- Red (52%)
- Green (74%)
- Blue (72%)



- Red (52%)
- Yellow (64%)
- Blue (74%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (48%)
- Magenta (26%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5222, 44.8424, 52.0779 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 36.5222, 44.8424, 52.0779 by changing the saturation by 10% instead.

■ 36.5222, 44.8424,
52.0779

■ 36.5222, 44.8424,
52.0779

322.6288,
366.1349, 411.7028

■ 25.0097, 31.3333,
36.6845

■ 69.1559, 82.4839,
94.6739

■ 16.2131, 20.8528,
24.6694

■ 91.0079, 107.3850,
122.7135

■ 9.7669, 13.0164,
15.6142

■ 117.0371,
136.8523, 155.8057

■ 5.3057, 7.4399,
9.1002

147.6089,
171.2702, 194.3688

■ 2.4643, 3.7387,
4.7089

183.0886,
211.0230, 238.8216

■ 0.8773, 1.5285,
2.0217

223.8416,

■ 0.0000, 0.3086,

256.4951, 289.5825

0.5686

270.2332,
308.0709, 347.0700

■ 0.0000, 0.0000,
0.0000

■ 36.5222, 44.8424,
52.0779

■ 36.5222, 44.8424,
52.0779

■ 33.6270, 43.3713,
51.0250

■ 39.9590, 46.5947,
53.1691

■ 31.2407, 42.1612,
50.0059

■ 43.9603, 48.6366,
54.2969

■ 29.3331, 41.1977,
49.0201

■ 48.5521, 50.9827,
55.4634

■ 27.8693, 40.4626,
48.0661

■ 53.7579, 53.6451,
56.6698

■ 26.8093, 39.9356,
47.1418

■ 59.5998, 56.6352,
57.9171

■ 26.1063, 39.5923,
46.2450

■ 66.0988, 59.9637,
59.2064

■ 25.6712, 39.3868,
45.3716

■ 69.3816, 61.6340,
60.3564

■ 25.6564, 39.3799,
45.3395

■ 69.5746, 61.7112,
61.3731

■ 69.7699, 61.7893,
62.4012

Harmonies

Analogous

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



36.7971, 44.8424, 42.6731



36.5222, 44.8424, 52.0779



37.8138, 44.8424, 61.7692

Triad

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



36.5222, 44.8424, 52.0779



46.9290, 44.8424, 64.5927



44.9065, 44.8424, 33.3304

Complementary

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



36.5222, 44.8424, 52.0779



33.9628, 29.4302, 27.9371

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.



47.8200, 44.8424, 37.8299



36.5222, 44.8424, 52.0779



49.0299, 44.8424, 55.5431

Square

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



36.5222, 44.8424, 52.0779



43.7423, 44.8424, 69.6010



49.3643, 44.8424, 45.7119



41.5197, 44.8424, 32.6602

Rectangle

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



36.5222, 44.8424, 52.0779



39.4317, 44.8424, 66.7861



49.3643, 44.8424, 45.7119



45.9785, 44.8424, 34.4139

Sweetspot

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



36.5235, 44.8442, 52.0789



79.1042, 87.2959, 97.3416



33.0134, 43.5451, 28.8563



16.7709, 18.6500, 20.8686



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



36.5235, 44.8442, 52.0789



61.7082, 78.4292, 91.9517



32.6051, 36.1533, 53.4059



9.7708, 10.7944, 12.0427



17.2763, 26.5008, 30.5813



0.6876, 1.0424, 1.2552

Inverse Universe

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



33.9628, 29.4302, 27.9371



56.3381, 46.0797, 41.3050



37.0095, 36.0898, 27.2067



9.5638, 9.5498, 10.0922



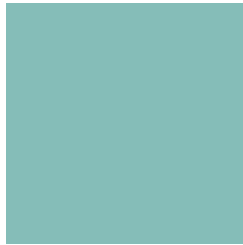
14.2003, 7.3113, 1.0826



0.5681, 0.2911, 0.1047

Previews

White Background



This preview shows how the XYZ color 36.5222, 44.8424, 52.0779 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 36.5222, 44.8424, 52.0779 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

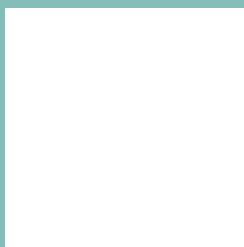
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.5222, 44.8424, 52.0779

Background



This preview shows how black text looks on a background with the XYZ color 36.5222, 44.8424, 52.0779.

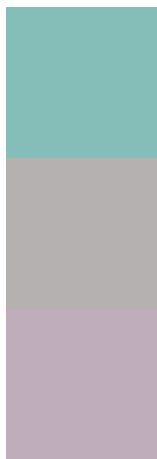


This preview shows how white text looks on a background with the XYZ color 36.5222, 44.8424,

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

36.5222, 44.8424, 52.0779

Protanopia

42.7140, 44.4424, 47.9219

Deuteranopia

45.3991, 44.5514, 53.2202



Tritanopia

38.4180, 44.6532, 61.8524

Trichromacy



Original Color

36.5222, 44.8424, 52.0779

Protanomaly

40.0719, 44.2355, 49.6063

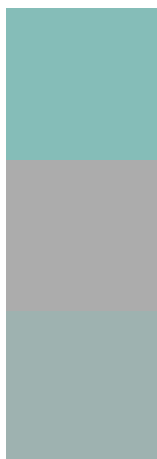
Deuteranomaly

41.5606, 44.3314, 52.8207

Tritanomaly

37.7740, 44.7150, 58.2697

Monochromacy



Original Color

36.5222, 44.8424, 52.0779

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.8574, 42.2445, 47.2330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5222, 44.8424, 52.0779 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(133, 189, 184)` looks like.

```
.text, #text, p{  
    color:rgb(133, 189, 184)  
}
```

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(133, 189, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 189, 184) }
```

Border

The CSS property to change the border of an element to XYZ 36.5222, 44.8424, 52.0779 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(133, 189, 184) }
```


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

```
.border{ border-color:rgb(133, 189, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 189, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 189, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 189, 184);  
box-shadow:4px 4px 4px 4px rgb(133, 189,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5222, 44.8424, 52.0779 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 189, 184) }
```

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

```
.background{ background-color: rgb(133,  
189, 184) }
```

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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