

Converting Colors

XYZ(36.1172, 44.4837, 54.6575)

Have a look what the booklet for
XYZ(36.1172, 44.4837, 54.6575)
contains.

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Color

**XYZ(36.2850, 44.6585,
54.8516)**

Conversions

Conversions Part 1

Format	Color
Hex	80BDBD
RGB	128, 189, 189
RGB Percent	50%, 74%, 74%
CMY	0.4980, 0.2588, 0.2588
CMYK	0.32, 0.00, 0.00, 0.26
HSL	180°, 32%, 62%
HSV	180°, 32%, 74%
XYZ	36.2850, 44.6585, 54.8516
YIQ	170.7610, -36.3560, -12.9320

Conversions

Conversions Part 2

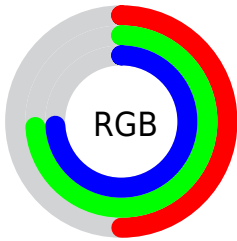
Format	Color
R_{YB}	128, 159, 189
Decimal	8437181
CIE _{Lab}	72.67, -19.47, -6.26
CIE _{LCh}	73, 20.451, 197.838
Yxy	44.6585, 0.2672, 0.3289
Android (android.graphics.Color)	4286627261 (0xFF80BDBD)
YUV	170.7610, 8.9918, -37.5014
Hunter-Lab	66.8270, -20.0273, -1.8863

Details

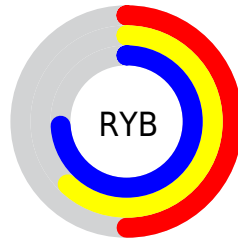
The XYZ color **36.2850, 44.6585, 54.8516** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.6033, 27.8170, 24.0747**, and the grayscale version is **38.5593, 40.5673, 44.1778**.

A 20% lighter version of the original color is **68.6623, 81.9647, 98.5881**, and **16.1497, 20.8817, 26.4720** is the 20% darker color. If you saturate the color by 10%, you get **33.7030, 43.3286, 54.7313**, and if you desaturate by 10%, it is **39.3991, 46.2650, 54.9987**.

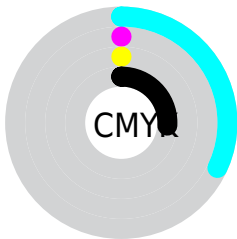
Distribution



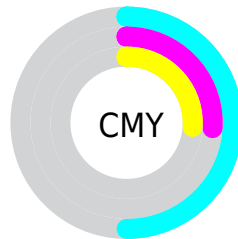
- Red (50%)
- Green (74%)
- Blue (74%)



- Red (50%)
- Yellow (62%)
- Blue (74%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (26%)



- Cyan (50%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2850, 44.6585, 54.8516 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 36.2850, 44.6585, 54.8516 by changing the saturation by 10% instead.

■ 36.2850, 44.6585,
54.8516

■ 36.2850, 44.6585,
54.8516

321.6141,
365.3887, 422.6152

■ 24.8255, 31.1885,
38.8851

■ 68.7927, 82.2077,
98.7925

■ 16.0751, 20.7424,
26.3632

■ 90.5717, 107.0557,
127.6039

■ 9.6685, 12.9359,
16.8674

■ 116.5212,
136.4653, 161.5341

■ 5.2403, 7.3844,
9.9790

147.0065,
170.8206, 201.0016

■ 2.4251, 3.7036,
5.2796

182.3932,
210.5063, 246.4249

■ 0.8577, 1.5092,
2.3507

223.0464,

■ 0.0000, 0.2952,

255.9066, 298.2226

0.7594

269.3316,
307.4059, 356.8132

■ 0.0000, 0.0000,
0.0000

■ 36.2850, 44.6585,
54.8516

■ 36.2850, 44.6585,
54.8516

■ 33.7030, 43.3286,
54.7313

■ 39.3991, 46.2650,
54.9987

■ 31.6198, 42.2546,
54.6335

■ 43.0687, 48.1567,
55.1708

■ 30.0043, 41.4218,
54.5575


■ 47.3202, 50.3485,
55.3702


■ 28.8204, 40.8115,
54.5017


■ 52.1776, 52.8525,
55.5979


■ 28.0268, 40.4024,
54.4641

■ 57.6632, 55.6804,
55.8550


 27.5739, 40.1689,
54.4426

 63.7983, 58.8432,
56.1425

 27.3833, 40.0707,
54.4333

 68.6243, 61.3311,
56.3688

 68.6244, 61.3311,
56.3691

 68.6245, 61.3311,
56.3695

Harmonies

Analogous

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



36.1279, 44.6585, 44.6290



36.2850, 44.6585, 54.8516



38.0352, 44.6585, 64.5724

Triad

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



36.2850, 44.6585, 54.8516



47.7004, 44.6585, 62.9357



43.8984, 44.6585, 31.9349

Complementary

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



36.2850, 44.6585, 54.8516



32.6033, 27.8170, 24.0747

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.



47.1865, 44.6585, 35.5473



36.2850, 44.6585, 54.8516



49.4620, 44.6585, 52.8538

Square

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



36.2850, 44.6585, 54.8516



44.5682, 44.6585, 69.6679



49.2689, 44.6585, 42.8893



40.3933, 44.6585, 32.3143

Rectangle

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



36.2850, 44.6585, 54.8516



39.9277, 44.6585, 69.0299



49.2689, 44.6585, 42.8893



45.0692, 44.6585, 32.6993

Sweetspot

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



36.2863, 44.6603, 54.8526



78.6549, 87.0298, 98.8784



31.1511, 42.6239, 27.0085



16.6958, 18.6027, 21.2531



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.



36.2863, 44.6603, 54.8526



61.4967, 78.1845, 98.0733



30.5759, 33.2392, 52.9504



9.8086, 10.8096, 12.2416



18.4236, 26.9597, 36.6230



0.7217, 1.0560, 1.4346

Inverse Universe

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



32.6033, 27.8170, 24.0747



53.8372, 43.1559, 34.0651



37.0231, 36.6568, 25.5472



9.5302, 9.5364, 9.9151



14.1203, 7.2793, 0.6610



0.5531, 0.2851, 0.0259

Previews

White Background



This preview shows how the XYZ color 36.2850, 44.6585, 54.8516 looks on a white background.

Color Contrast Check

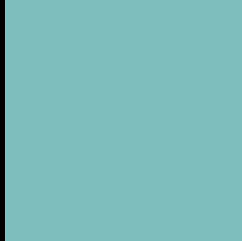
Large Text (above 18pt) WCAG AA × Fail

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 36.2850, 44.6585, 54.8516 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

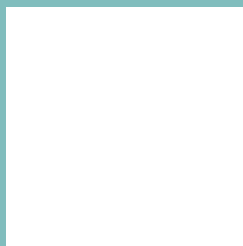
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2850, 44.6585, 54.8516

Background



This preview shows how black text looks on a background with the XYZ color 36.2850, 44.6585, 54.8516.

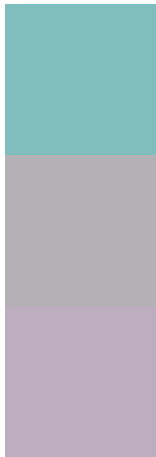


This preview shows how white text looks on a background with the XYZ color 36.2850, 44.6585,

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

36.2850, 44.6585, 54.8516

Protanopia

42.7560, 44.4054, 50.5736

Deuteranopia

45.1970, 44.3843, 56.0541



Tritanopia

37.7911, 44.6302, 62.4998

Trichromacy



Original Color

36.2850, 44.6585, 54.8516

Protanomaly

39.7780, 44.0241, 52.2999

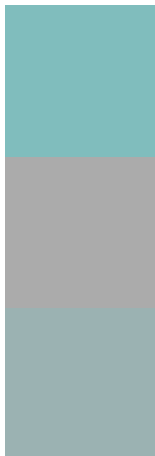
Deuteranomaly

41.2500, 44.1088, 55.6300

Tritanomaly

37.2672, 44.7435, 59.4955

Monochromacy



Original Color

36.2850, 44.6585, 54.8516

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.4738, 42.0237, 48.2558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2850, 44.6585, 54.8516 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(128, 189, 189)` looks like.

```
.text, #text, p{  
    color:rgb(128, 189, 189)  
}
```

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(128, 189, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 189, 189) }
```

Border

The CSS property to change the border of an element to XYZ 36.2850, 44.6585, 54.8516 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(128, 189, 189) }
```


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

```
.border{ border-color:rgb(128, 189, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 189, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 189, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 189, 189);  
box-shadow:4px 4px 4px 4px rgb(128, 189,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2850, 44.6585, 54.8516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 189, 189) }
```

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

```
.background{ background-color: rgb(128,  
189, 189) }
```

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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