

Converting Colors

XYZ(36.2722, 45.8129, 46.3678)

Have a look what the booklet for
XYZ(36.2722, 45.8129, 46.3678)
contains.

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Color

**XYZ(36.2240, 45.7847,
46.4633)**

Conversions

Conversions Part 1

Format	Color
Hex	86C0AD
RGB	134, 192, 173
RGB Percent	53%, 75%, 68%
CMY	0.4745, 0.2470, 0.3216
CMYK	0.30, 0.00, 0.10, 0.25
HSL	160°, 32%, 64%
HSV	160°, 30%, 75%
XYZ	36.2240, 45.7847, 46.4633
YIQ	172.4920, -28.4690, -18.2050

Conversions

Conversions Part 2

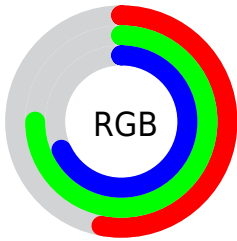
Format	Color
RYB	134, 169, 192
Decimal	8831149
CIELab	73.41, -22.86, 3.57
CIELCh	73, 23.135, 171.111
Yxy	45.7847, 0.2820, 0.3564
Android (android.graphics.Color)	4287021229 (0xFF86C0AD)
YUV	172.4920, 0.2504, -33.7575
Hunter-Lab	67.6644, -22.8531, 6.6522

Details

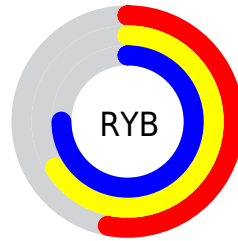
The XYZ color **36.2240, 45.7847, 46.4633** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.0147, 30.5578, 34.1390**, and the grayscale version is **39.4722, 41.5278, 45.2238**.

A 20% lighter version of the original color is **68.8655, 84.1716, 86.0159**, and **16.0193, 21.3513, 21.3661** is the 20% darker color. If you saturate the color by 10%, you get **32.8430, 44.1116, 43.2028**, and if you desaturate by 10%, it is **40.1918, 47.7594, 49.9029**.

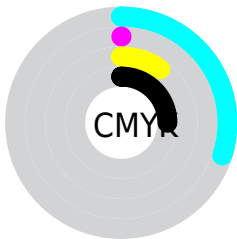
Distribution



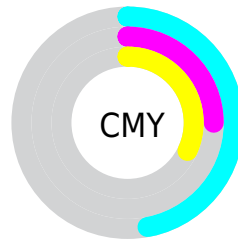
- Red (53%)
- Green (75%)
- Blue (68%)



- Red (53%)
- Yellow (66%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (10%)
- Black (25%)



- Cyan (47%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2240, 45.7847, 46.4633 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 36.2240, 45.7847, 46.4633 by changing the saturation by 10% instead.

36.2240, 45.7847,
46.4633

36.2240, 45.7847,
46.4633

321.3527,
369.9424, 388.9997

24.7782, 32.0760,
32.2603

68.6993, 83.8967,
86.2535

16.0397, 21.4195,
21.2939

90.4594, 109.0687,
112.6778

9.6433, 13.4310,
13.1457

116.3884,
138.8307, 144.0129

5.2235, 7.7260,
7.3970

146.8515,
173.5669, 180.6774

2.4151, 3.9201,
3.6294

182.2141,
213.6617, 223.0897

0.8526, 1.6290,
1.4243

222.8416,

0.0000, 0.3770,

259.4997, 271.6686

0.1606

269.0994,
311.4651, 326.8324

■ 0.0000, 0.0000,
0.0000

■ 36.2240, 45.7847,
46.4633

■ 36.2240, 45.7847,
46.4633

■ 32.8430, 44.1116,
43.2028

■ 40.1918, 47.7594,
49.9029

■ 30.0145, 42.7189,
40.1147

■ 44.7708, 50.0446,
53.5217

■ 27.7065, 41.5913,
37.1965

■ 49.9887, 52.6557,
57.3240

■ 25.8819, 40.7097,
34.4443

■ 55.8700, 55.6055,
61.3129

■ 24.4985, 40.0524,
31.8540

■ 62.4384, 58.9060,
65.4913

■ 23.5066, 39.5939,
29.4210

■ 69.7160, 62.5685,
69.8621

■ 22.8195, 39.2885,
27.1846

■ 72.6192, 63.9724,
74.1892

■ 73.4535, 64.3061,
78.5823

■ 74.3193, 64.6524,
83.1415

Harmonies

Analogous

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



37.6973, 45.7847, 37.0463



36.2240, 45.7847, 46.4633



36.6075, 45.7847, 58.3809

Triad

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



36.2240, 45.7847, 46.4633



46.4013, 45.7847, 73.8592



48.6251, 45.7847, 34.3425

Complementary

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



36.2240, 45.7847, 46.4633



36.0147, 30.5578, 34.1390

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.



51.2454, 45.7847, 42.1966



36.2240, 45.7847, 46.4633



49.9067, 45.7847, 65.3127

Square

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



36.2240, 45.7847, 46.4633



42.3172, 45.7847, 75.4783



51.7285, 45.7847, 53.4011



44.7393, 45.7847, 30.8016

Rectangle

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



36.2240, 45.7847, 46.4633



37.8751, 45.7847, 66.1144



51.7285, 45.7847, 53.4011



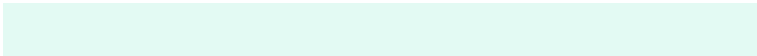
49.6930, 45.7847, 36.5019

Sweetspot

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



36.2253, 45.7866, 46.4643



82.0693, 91.1494, 97.6917



36.3541, 46.2272, 29.5618



17.3261, 19.4144, 20.7461



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



36.2253, 45.7866, 46.4643



61.6138, 80.9660, 80.3872



36.1437, 42.4684, 56.1635



10.2237, 11.3705, 12.1811



15.3916, 26.4507, 18.4868



0.6957, 1.1551, 0.9601

Inverse Universe

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



36.0147, 30.5578, 34.1390



61.1781, 49.1169, 54.6336



35.9656, 32.7747, 26.9857



10.2062, 10.1311, 11.1765



15.2617, 7.7944, 4.0240



0.6916, 0.3497, 0.3434

Previews

White Background



This preview shows how the XYZ color 36.2240, 45.7847, 46.4633 looks on a white background.

Color Contrast Check

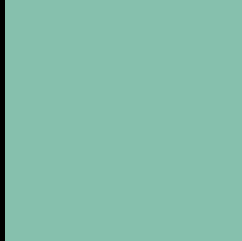
Large Text (above 18pt) WCAG AA × Fail

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 36.2240, 45.7847, 46.4633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

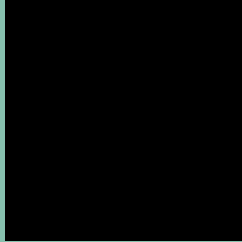
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.2240, 45.7847, 46.4633

Background



This preview shows how black text looks on a background with the XYZ color 36.2240, 45.7847, 46.4633.



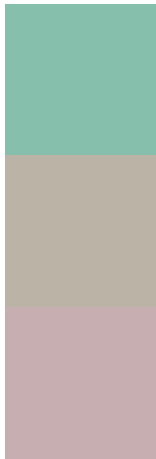
This preview shows how white text looks on a background with the XYZ color 36.2240, 45.7847,

46.4633.

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

36.2240, 45.7847, 46.4633

Protanopia

43.2527, 45.4325, 42.5661

Deuteranopia

46.3606, 45.4522, 47.9247



Tritanopia

39.5779, 45.8537, 63.2646

Trichromacy



Original Color

36.2240, 45.7847, 46.4633

Protanomaly

40.2383, 45.3610, 44.1709

Deuteranomaly

42.0395, 45.2963, 47.6016

Tritanomaly

38.1933, 45.6042, 56.6587

Monochromacy



Original Color

36.2240, 45.7847, 46.4633

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.6670, 42.4879, 45.2454

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2240, 45.7847, 46.4633 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(134, 192, 173)` looks like.

```
.text, #text, p{  
    color:rgb(134, 192, 173)  
}
```

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(134, 192, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 192, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.2240, 45.7847, 46.4633 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(134, 192, 173) }
```


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

```
.border{ border-color:rgb(134, 192, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 192, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 192, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 192, 173);  
box-shadow:4px 4px 4px 4px rgb(134, 192,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2240, 45.7847, 46.4633 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 192, 173) }
```

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

```
.background{ background-color: rgb(134,  
192, 173) }
```

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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