

Converting Colors

XYZ(36.8859, 45.6030, 46.5900)

Have a look what the booklet for
XYZ(36.8859, 45.6030, 46.5900)
contains.

XYZ(36.7715, 45.4195, 46.3639)	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(36.7715, 45.4195,
46.3639)**

Conversions

Conversions Part 1

Format	Color
Hex	8CBEAD
RGB	140, 190, 173
RGB Percent	55%, 75%, 68%
CMY	0.4510, 0.2549, 0.3216
CMYK	0.26, 0.00, 0.09, 0.25
HSL	160°, 28%, 65%
HSV	160°, 26%, 75%
XYZ	36.7715, 45.4195, 46.3639
YIQ	173.1120, -24.3430, -15.8870

Conversions

Conversions Part 2

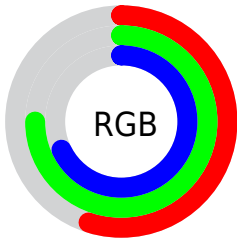
Format	Color
RYB	140, 170, 190
Decimal	9223853
CIELab	73.17, -20.01, 3.27
CIELCh	73, 20.278, 170.716
Yxy	45.4195, 0.2860, 0.3533
Android (android.graphics.Color)	4287413933 (0xFF8CBEAD)
YUV	173.1120, -0.0552, -29.0392
Hunter-Lab	67.3940, -20.5463, 6.3871

Details

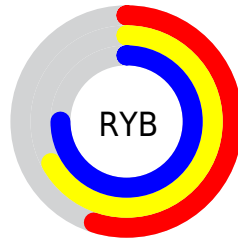
The XYZ color **36.7715, 45.4195, 46.3639** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.7007, 32.1388, 36.1693**, and the grayscale version is **39.7878, 41.8599, 45.5854**.

A 20% lighter version of the original color is **69.4650, 83.1151, 85.7804**, and **16.2799, 21.0635, 21.2968** is the 20% darker color. If you saturate the color by 10%, you get **33.2323, 43.6667, 43.0139**, and if you desaturate by 10%, it is **40.8963, 47.4731, 49.9011**.

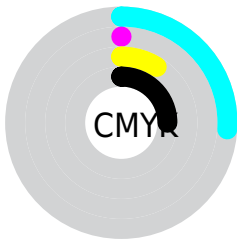
Distribution



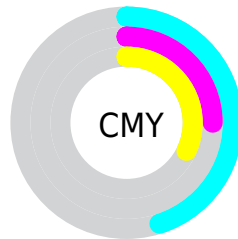
- Red (55%)
- Green (75%)
- Blue (68%)



- Red (55%)
- Yellow (67%)
- Blue (75%)



- Cyan (26%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)




- Cyan (45%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7715, 45.4195, 46.3639 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 36.7715, 45.4195, 46.3639 by changing the saturation by 10% instead.


 36.7715, 45.4195,
46.3639


 36.7715, 45.4195,
46.3639


323.6929,
368.4699, 388.5897


 25.2035, 31.7880,
32.1823


 69.5373, 83.3496,
86.1034

 16.3583, 21.1996,
21.2348


 91.4658, 108.4169,
112.4983

 9.8705, 13.2700,
13.1029


 117.5786,
138.0649, 143.8015

 5.3748, 7.6147,
7.3679

148.2409,
172.6781, 180.4315

 2.5058, 3.8494,
3.6113

183.8181,
212.6408, 222.8067

 0.8982, 1.5897,
1.4146

224.6756,

 0.0000, 0.3506,

258.3374, 271.3458

0.1531

271.1788,
310.1523, 326.4673

■ 0.0000, 0.0000,
0.0000

■ 36.7715, 45.4195,
46.3639

■ 36.7715, 45.4195,
46.3639

■ 33.2323, 43.6667,
43.0139

■ 40.8963, 47.4731,
49.9011

■ 30.2460, 42.1943,
39.8445

■ 45.6297, 49.8358,
53.6258

■ 27.7827, 40.9880,
36.8529

■ 50.9981, 52.5221,
57.5423

■ 25.8075, 40.0301,
34.0352

■ 57.0250, 55.5443,
61.6539

■ 24.2817, 39.3005,
31.3874

■ 63.7329, 58.9139,
65.9636

■ 23.1599, 38.7760,
28.9047

■ 71.1431, 62.6419,
70.4743

■ 22.3834, 38.4264,
26.5820

■ 72.3389, 63.1624,
74.8645

■ 22.1413, 38.3194,
25.7642

■ 73.2023, 63.5078,
79.4112

■ 74.0991, 63.8665,
84.1335

Harmonies

Analogous

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



38.0941, 45.4195, 38.0698



36.7715, 45.4195, 46.3639



37.0890, 45.4195, 56.7044

Triad

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



36.7715, 45.4195, 46.3639



45.6323, 45.4195, 70.1088



47.6423, 45.4195, 35.8011

Complementary

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



36.7715, 45.4195, 46.3639



36.7007, 32.1388, 36.1693

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.



49.8816, 45.4195, 42.8497



36.7715, 45.4195, 46.3639



48.6776, 45.4195, 62.9079

Square

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



36.7715, 45.4195, 46.3639



42.0769, 45.4195, 71.3897



50.2705, 45.4195, 52.6787



44.2816, 45.4195, 32.5464

Rectangle

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



36.7715, 45.4195, 46.3639



38.1952, 45.4195, 63.3490



50.2705, 45.4195, 52.6787



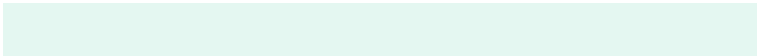
48.5587, 45.4195, 37.7558

Sweetspot

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



36.7728, 45.4214, 46.3649



81.0447, 89.4865, 95.9240



37.1509, 45.9408, 31.7211



17.5003, 19.5024, 20.8352



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.



36.7728, 45.4214, 46.3649



62.5346, 80.2728, 80.2112



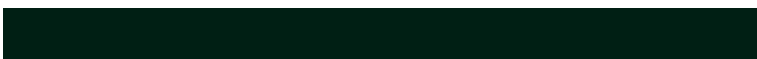
36.9415, 42.9560, 55.0617



9.6669, 10.7529, 11.4956



14.7599, 25.4943, 17.3305



0.6076, 1.0104, 0.8340

Inverse Universe

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



36.7007, 32.1388, 36.1693



62.3836, 51.8615, 58.4188



36.4819, 33.8651, 29.4255



9.6604, 9.5885, 10.6009



14.7805, 7.5433, 4.1375



0.6101, 0.3079, 0.3261

Previews

White Background



This preview shows how the XYZ color 36.7715, 45.4195, 46.3639 looks on a white background.

Color Contrast Check

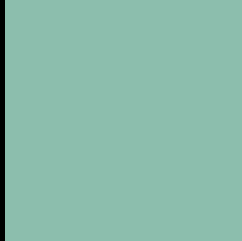
Large Text (above 18pt) WCAG AA × Fail

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 36.7715, 45.4195, 46.3639 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

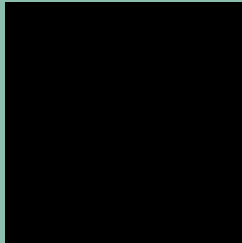
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7715, 45.4195, 46.3639

Background



This preview shows how black text looks on a background with the XYZ color 36.7715, 45.4195, 46.3639.

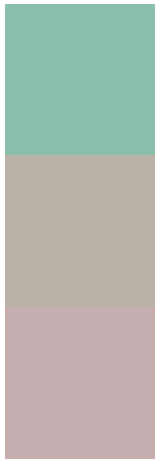


This preview shows how white text looks on a background with the XYZ color 36.7715, 45.4195,

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

36.7715, 45.4195, 46.3639

Protanopia

42.9030, 44.9451, 42.9733

Deuteranopia

45.8060, 44.8920, 47.3251



Tritanopia

39.9556, 45.4458, 61.9244

Trichromacy



Original Color

36.7715, 45.4195, 46.3639

Protanomaly

40.2516, 44.7555, 44.0533

Deuteranomaly

41.7625, 44.5655, 46.9583

Tritanomaly

38.6759, 45.2315, 55.9823

Monochromacy



Original Color

36.7715, 45.4195, 46.3639

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3609, 42.8344, 45.7812

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7715, 45.4195, 46.3639 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(140, 190, 173)` looks like.

```
.text, #text, p{  
    color:rgb(140, 190, 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(140, 190, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 190, 173) }
```

Border

The CSS property to change the border of an element to XYZ 36.7715, 45.4195, 46.3639 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(140, 190, 173) }
```


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

```
.border{ border-color:rgb(140, 190, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 190, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 190, 173); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 190, 173);  
box-shadow:4px 4px 4px 4px rgb(140, 190,  
173) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7715, 45.4195, 46.3639 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 190, 173) }
```

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

```
.background{ background-color: rgb(140,  
190, 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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