

Converting Colors

XYZ(36.8036, 45.7466, 47.0247)

Have a look what the booklet for
XYZ(36.8036, 45.7466, 47.0247)
contains.

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Color

**XYZ(36.7520, 45.7209,
46.9324)**

Conversions

Conversions Part 1

Format	Color
Hex	8ABFAE
RGB	138, 191, 174
RGB Percent	54%, 75%, 68%
CMY	0.4588, 0.2510, 0.3176
CMYK	0.28, 0.00, 0.09, 0.25
HSL	161°, 29%, 65%
HSV	161°, 28%, 75%
XYZ	36.7520, 45.7209, 46.9324
YIQ	173.2150, -26.1310, -16.5230

Conversions

Conversions Part 2

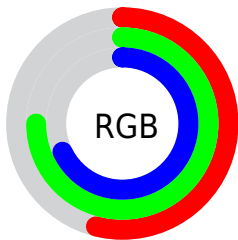
Format	Color
RYB	138, 170, 191
Decimal	9093038
CIELab	73.36, -20.92, 3.00
CIELCh	73, 21.139, 171.846
Yxy	45.7209, 0.2840, 0.3533
Android (android.graphics.Color)	4287283118 (0xFF8ABFAE)
YUV	173.2150, 0.3870, -30.8836
Hunter-Lab	67.6172, -21.3100, 6.1795

Details

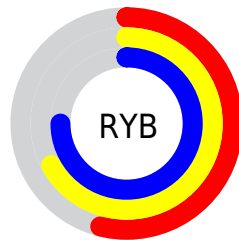
The XYZ color **36.7520, 45.7209, 46.9324** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4923, 31.6210, 35.1923**, and the grayscale version is **39.8388, 41.9135, 45.6439**.

A 20% lighter version of the original color is **69.7026, 84.1294, 86.6936**, and **16.2963, 21.2749, 21.6599** is the 20% darker color. If you saturate the color by 10%, you get **33.2820, 44.0007, 43.7233**, and if you desaturate by 10%, it is **40.8075, 47.7422, 50.3131**.

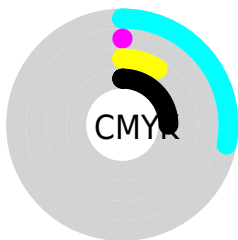
Distribution



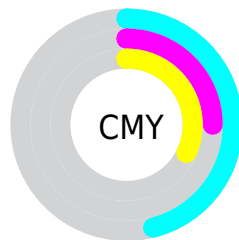
- Red (54%)
- Green (75%)
- Blue (68%)



- Red (54%)
- Yellow (67%)
- Blue (75%)



- Cyan (28%)
- Magenta (0%)
- Yellow (9%)
- Black (25%)





- Cyan (46%)
- Magenta (25%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7520, 45.7209, 46.9324 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 36.7520, 45.7209, 46.9324 by changing the saturation by 10% instead.


 36.7520, 45.7209,
46.9324


 36.7520, 45.7209,
46.9324


323.6098,
369.6854, 390.9306


 25.1883, 32.0256,
32.6283


 69.5075, 83.8011,
86.9616

 16.3469, 21.3811,
21.5730


 91.4300, 108.9549,
113.5238

 9.8624, 13.4028,
13.3482

 117.5363,
138.6970, 145.0091

 5.3694, 7.7065,
7.5352

148.1915,
173.4117, 181.8359

 2.5025, 3.9077,
3.7155

183.7611,
213.4835, 224.4230

 0.8965, 1.6221,
1.4706

224.6105,

 0.0000, 0.3724,

259.2968, 273.1888

0.1959

271.1049,
311.2360, 328.5518

■ 0.0000, 0.0000,
0.0000

■ 36.7520, 45.7209,
46.9324

■ 36.7520, 45.7209,
46.9324

■ 33.2820, 44.0007,
43.7233

■ 40.8075, 47.7422,
50.3131

■ 30.3643, 42.5609,
40.6794

■ 45.4721, 50.0731,
53.8655

■ 27.9680, 41.3869,
37.7985

■ 50.7726, 52.7286,
57.5936

■ 26.0575, 40.4603,
35.0768

■ 56.7330, 55.7210,
61.5002

■ 24.5928, 39.7604,
32.5105

■ 63.3763, 59.0621,
65.5881

■ 23.5267, 39.2632,
30.0953

■ 70.7240, 62.7630,
69.8602

■ 22.7898, 38.9328,
27.8260

■ 72.3819, 63.5274,
74.0188

■ 22.6430, 38.8678,
27.3339

■ 73.1935, 63.8520,
78.2922

■ 74.0349, 64.1886,
82.7232

Harmonies

Analogous

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



38.0697, 45.7209, 38.1668



36.7520, 45.7209, 46.9324



37.1482, 45.7209, 57.8027

Triad

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



36.7520, 45.7209, 46.9324



46.1734, 45.7209, 71.3252



48.0277, 45.7209, 35.3458

Complementary

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



36.7520, 45.7209, 46.9324



36.4923, 31.6210, 35.1923

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.



50.4410, 45.7209, 42.5403



36.7520, 45.7209, 46.9324



49.3285, 45.7209, 63.5435

Square

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



36.7520, 45.7209, 46.9324



42.4495, 45.7209, 72.9442



50.9301, 45.7209, 52.7453



44.4790, 45.7209, 32.1295

Rectangle

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



36.7520, 45.7209, 46.9324



38.3416, 45.7209, 64.7410



50.9301, 45.7209, 52.7453



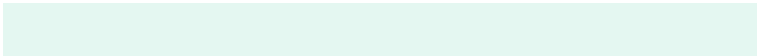
49.0068, 45.7209, 37.3259

Sweetspot

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



36.7533, 45.7228, 46.9334



81.1015, 89.5092, 96.2234



36.8656, 46.1333, 31.0070



17.5150, 19.5083, 20.9128



92.9021, 97.7402, 106.4391



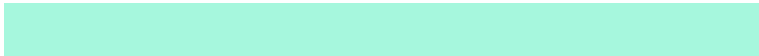
19.4759, 20.4902, 22.3138

Same Dimension

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



36.7533, 45.7228, 46.9334



62.1093, 80.0423, 80.6986



36.6487, 42.6908, 55.6010



9.6748, 10.7560, 11.5370



14.9180, 25.5575, 18.1628



0.6130, 1.0126, 0.8621

Inverse Universe

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



36.4923, 31.6210, 35.1923



61.5718, 50.8120, 56.3788



36.4825, 33.7282, 28.6327



9.6529, 9.5855, 10.5613



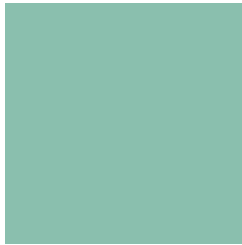
14.7115, 7.5158, 3.7746



0.6069, 0.3066, 0.3091

Previews

White Background



This preview shows how the XYZ color 36.7520, 45.7209, 46.9324 looks on a white background.

Color Contrast Check

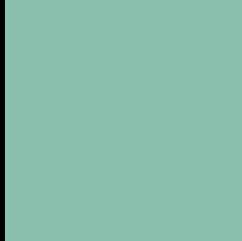
Large Text (above 18pt) WCAG AA × Fail

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 36.7520, 45.7209, 46.9324 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

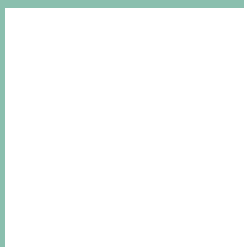
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.7520, 45.7209, 46.9324

Background



This preview shows how black text looks on a background with the XYZ color 36.7520, 45.7209, 46.9324.

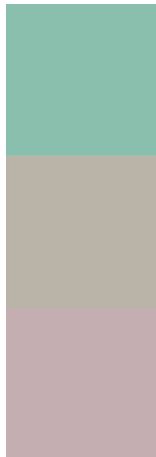


This preview shows how white text looks on a background with the XYZ color 36.7520, 45.7209,

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

36.7520, 45.7209, 46.9324

Protanopia

43.3449, 45.4693, 43.0512

Deuteranopia

46.1979, 45.3568, 48.4393



Tritanopia

39.9326, 45.7342, 62.6000

Trichromacy



Original Color

36.7520, 45.7209, 46.9324

Protanomaly

40.5514, 45.2043, 44.6182

Deuteranomaly

42.1616, 45.0469, 48.0678

Tritanomaly

38.6530, 45.5230, 56.6188

Monochromacy



Original Color

36.7520, 45.7209, 46.9324

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.3613, 43.1332, 45.8389

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7520, 45.7209, 46.9324 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(138, 191, 174)` looks like.

```
.text, #text, p{  
    color:rgb(138, 191, 174)  
}
```

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(138, 191, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 191, 174) }
```

Border

The CSS property to change the border of an element to XYZ 36.7520, 45.7209, 46.9324 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(138, 191, 174) }
```


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

```
.border{ border-color:rgb(138, 191, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 191, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 191, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 191, 174);  
box-shadow:4px 4px 4px 4px rgb(138, 191,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7520, 45.7209, 46.9324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 191, 174) }
```

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

```
.background{ background-color: rgb(138,  
191, 174) }
```

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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