

Converting Colors

XYZ(36.1824, 44.9309, 49.7782)

Have a look what the booklet for
XYZ(36.1824, 44.9309, 49.7782)
contains.

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Color

**XYZ(36.3245, 45.1087,
49.9724)**

Conversions

Conversions Part 1

Format	Color
Hex	85BEB4
RGB	133, 190, 180
RGB Percent	52%, 75%, 71%
CMY	0.4784, 0.2549, 0.2941
CMYK	0.30, 0.00, 0.05, 0.25
HSL	169°, 30%, 63%
HSV	169°, 30%, 75%
XYZ	36.3245, 45.1087, 49.9724
YIQ	171.8170, -30.7620, -15.1940

Conversions

Conversions Part 2

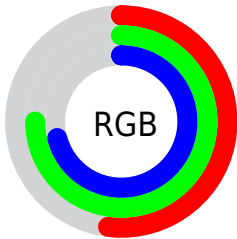
Format	Color
RYB	133, 164, 190
Decimal	8765108
CIELab	72.96, -20.62, -0.89
CIELCh	73, 20.635, 182.463
Yxy	45.1087, 0.2764, 0.3433
Android (android.graphics.Color)	4286955188 (0xFF85BEB4)
YUV	171.8170, 4.0342, -34.0425
Hunter-Lab	67.1630, -20.9952, 2.8996

Details

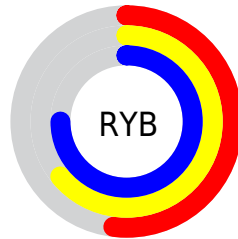
The XYZ color **36.3245, 45.1087, 49.9724** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.5822, 29.7065, 29.8995**, and the grayscale version is **39.1125, 41.1494, 44.8117**.

A 20% lighter version of the original color is **68.8351, 82.6590, 91.6837**, and **16.0283, 20.8900, 23.2661** is the 20% darker color. If you saturate the color by 10%, you get **33.2566, 43.5671, 48.0779**, and if you desaturate by 10%, it is **39.9458, 46.9370, 51.9374**.

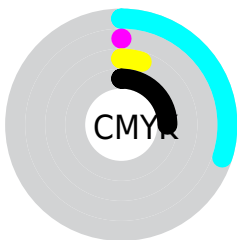
Distribution



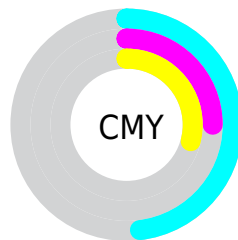
- Red (52%)
- Green (75%)
- Blue (71%)



- Red (52%)
- Yellow (64%)
- Blue (75%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (25%)



- Cyan (48%)
- Magenta (25%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3245, 45.1087, 49.9724 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 36.3245, 45.1087, 49.9724 by changing the saturation by 10% instead.

■ 36.3245, 45.1087,
49.9724

■ 36.3245, 45.1087,
49.9724

321.7832,
367.2136, 403.2900

■ 24.8562, 31.5431,
35.0204

■ 68.8532, 82.8835,
91.5299

■ 16.0981, 21.0127,
23.3949

■ 90.6444, 107.8615,
118.9725

■ 9.6849, 13.1333,
14.6774

■ 116.6071,
137.4123, 151.4157

■ 5.2512, 7.5204,
8.4492

147.1069,
171.9204, 189.2780

■ 2.4317, 3.7896,
4.2918

182.5091,
211.7702, 232.9781

■ 0.8609, 1.5566,
1.7868

223.1789,

■ 0.0000, 0.3281,

257.3461, 282.9344

0.4192

269.4819,
309.0324, 339.5655

■ 0.0000, 0.0000,
0.0000

■ 36.3245, 45.1087,
49.9724

■ 36.3245, 45.1087,
49.9724

■ 33.2566, 43.5671,
48.0779

■ 39.9458, 46.9370,
51.9374

■ 30.7088, 42.2915,
46.2491

■ 44.1437, 49.0604,
53.9714

■ 28.6504, 41.2673,
44.4853

■ 48.9449, 51.4939,
56.0769

■ 27.0458, 40.4760,
42.7844

■ 54.3731, 54.2496,
58.2552

■ 25.8542, 39.8968,
41.1444

■ 60.4508, 57.3393,
60.5077

■ 25.0277, 39.5049,
39.5626

■ 67.1995, 60.7738,
62.8357

■ 24.4713, 39.2513,
38.0343

■ 70.4743, 62.4165,
65.0455

■ 70.8768, 62.5775,
67.1655

■ 71.2880, 62.7420,
69.3309

Harmonies

Analogous

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



37.0253, 45.1087, 40.5094



36.3245, 45.1087, 49.9724



37.2957, 45.1087, 60.5423

Triad

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



36.3245, 45.1087, 49.9724



46.6979, 45.1087, 67.8111



46.1547, 45.1087, 33.5522

Complementary

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



36.3245, 45.1087, 49.9724



34.5822, 29.7065, 29.8995

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.



48.9836, 45.1087, 39.2257



36.3245, 45.1087, 49.9724



49.3093, 45.1087, 58.8620

Square

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



36.3245, 45.1087, 49.9724



43.1726, 45.1087, 71.7010



50.1680, 45.1087, 48.2689



42.5777, 45.1087, 31.8540

Rectangle

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



36.3245, 45.1087, 49.9724



38.7941, 45.1087, 66.5706



50.1680, 45.1087, 48.2689



47.2313, 45.1087, 35.0144

Sweetspot

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



36.3258, 45.1105, 49.9734



80.6916, 89.2555, 98.1209



34.0542, 44.4021, 28.9667



17.4550, 19.4660, 21.4250



92.9021, 97.7402, 106.4391



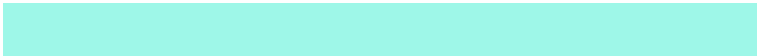
19.4759, 20.4902, 22.3138

Same Dimension

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



36.3258, 45.1105, 49.9734



62.0548, 79.8463, 88.2805



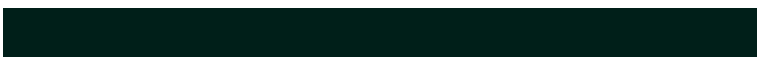
33.7114, 38.1918, 54.3122



9.7348, 10.7800, 11.8528



16.2973, 26.1092, 25.4259



0.6576, 1.0304, 1.0970

Inverse Universe

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



34.5822, 29.7065, 29.8995



58.3932, 47.4486, 46.0890



36.5449, 34.7913, 26.9803



9.5967, 9.5630, 10.2651



14.3268, 7.3619, 1.7484



0.5825, 0.2969, 0.1808

Previews

White Background



This preview shows how the XYZ color 36.3245, 45.1087, 49.9724 looks on a white background.

Color Contrast Check

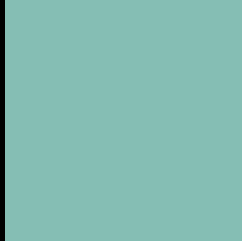
Large Text (above 18pt) WCAG AA × Fail

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 36.3245, 45.1087, 49.9724 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

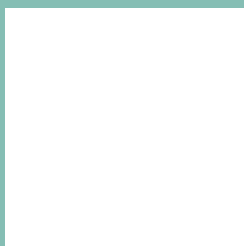
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.3245, 45.1087, 49.9724

Background



This preview shows how black text looks on a background with the XYZ color 36.3245, 45.1087, 49.9724.

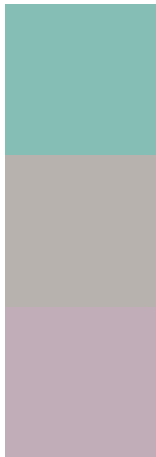


This preview shows how white text looks on a background with the XYZ color 36.3245, 45.1087,

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

36.3245, 45.1087, 49.9724

Protanopia

42.9917, 44.9252, 45.9407

Deuteranopia

45.5876, 44.6853, 51.5698



Tritanopia

38.9122, 45.2082, 62.5523

Trichromacy



Original Color

36.3245, 45.1087, 49.9724

Protanomaly

40.0815, 44.5898, 47.5685

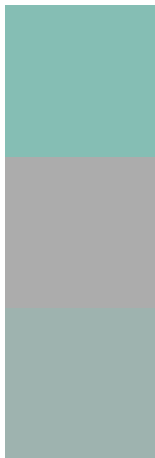
Deuteranomaly

41.4619, 44.3170, 51.1685

Tritanomaly

37.8742, 45.0957, 57.7471

Monochromacy



Original Color

36.3245, 45.1087, 49.9724

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9585, 42.6044, 46.7803

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.3245, 45.1087, 49.9724 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, 190, 180)` looks like.

```
.text, #text, p{  
    color:rgb(133, 190, 180)  
}
```

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, 190, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 190, 180) }
```

Border

The CSS property to change the border of an element to XYZ 36.3245, 45.1087, 49.9724 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, 190, 180) }
```


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

```
.border{ border-color:rgb(133, 190, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 190, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 190, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 190, 180);  
box-shadow:4px 4px 4px 4px rgb(133, 190,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 36.3245, 45.1087, 49.9724 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 190, 180) }
```

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

```
.background{ background-color: rgb(133,  
190, 180) }
```

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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