

Converting Colors

XYZ(37.1982, 45.0626, 53.5633)

Have a look what the booklet for
XYZ(37.1982, 45.0626, 53.5633)
contains.

XYZ(37.3206, 45.2173, 53.7745)	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(37.3206, 45.2173,
53.7745)**

Conversions

Conversions Part 1

Format	Color
Hex	88BDBB
RGB	136, 189, 187
RGB Percent	53%, 74%, 73%
CMY	0.4667, 0.2588, 0.2667
CMYK	0.28, 0.00, 0.01, 0.26
HSL	178°, 29%, 64%
HSV	178°, 28%, 74%
XYZ	37.3206, 45.2173, 53.7745
YIQ	172.9250, -30.9460, -11.8580

Conversions

Conversions Part 2

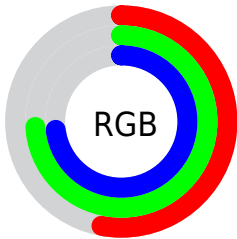
Format	Color
RYB	136, 163, 189
Decimal	8961467
CIELab	73.03, -17.64, -4.58
CIELCh	73, 18.222, 194.561
Yxy	45.2173, 0.2738, 0.3317
Android (android.graphics.Color)	4287151547 (0xFF88BDBB)
YUV	172.9250, 6.9390, -32.3832
Hunter-Lab	67.2438, -18.6084, -0.3432

Details

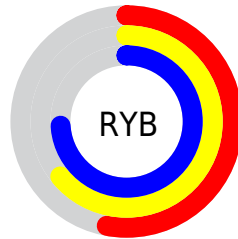
The XYZ color **37.3206, 45.2173, 53.7745** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.3795, 30.2634, 28.0760**, and the grayscale version is **39.6604, 41.7258, 45.4394**.

A 20% lighter version of the original color is **70.3159, 82.8522, 97.0801**, and **16.7634, 21.2144, 25.7655** is the 20% darker color. If you saturate the color by 10%, you get **34.4417, 43.7432, 53.2427**, and if you desaturate by 10%, it is **40.7438, 46.9743, 54.3357**.

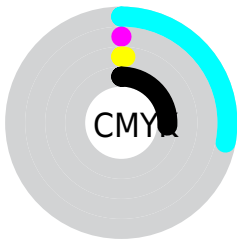
Distribution



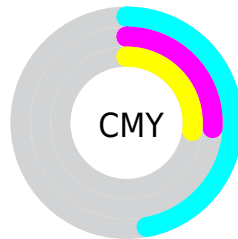
- Red (53%)
- Green (74%)
- Blue (73%)



- Red (53%)
- Yellow (64%)
- Blue (74%)



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)



- Cyan (47%)
- Magenta (26%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3206, 45.2173, 53.7745 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 37.3206, 45.2173, 53.7745 by changing the saturation by 10% instead.

■ 37.3206, 45.2173,
53.7745

■ 37.3206, 45.2173,
53.7745

326.0279,
367.6529, 418.3998

■ 25.6306, 31.6286,
38.0295

■ 70.3762, 83.0464,
97.1961

■ 16.6787, 21.0780,
25.7035

■ 92.4726, 108.0556,
125.7098

■ 10.0996, 13.1810,
16.3782

■ 118.7685,
137.6404, 159.3168

■ 5.5278, 7.5533,
9.6349

149.6292,
172.1853, 198.4355

■ 2.5981, 3.8105,
5.0552

185.4202,
212.0746, 243.4847

■ 0.9450, 1.5681,
2.2204

226.5067,

■ 0.0000, 0.3360,

257.6927, 294.8828

0.6861

273.2542,
309.4240, 353.0483

■ 0.0000, 0.0000,
0.0000

■ 37.3206, 45.2173,
53.7745

■ 37.3206, 45.2173,
53.7745

■ 34.4417, 43.7432,
53.2427

■ 40.7438, 46.9743,
54.3357

■ 32.0748, 42.5317,
52.7358

■ 44.7336, 49.0222,
54.9245

■ 30.1901, 41.5688,
52.2534

■ 49.3161, 51.3757,
55.5430

■ 28.7531, 40.8367,
51.7940

■ 54.5144, 54.0465,
56.1924

■ 27.7251, 40.3154,
51.3558

■ 60.3505, 57.0461,
56.8735

■ 27.0605, 39.9814,
50.9364

■ 66.8452, 60.3851,
57.5875

■ 26.6885, 39.7982,
50.5328

■ 68.9528, 61.4625,
58.0982

■ 26.6277, 39.7685,
50.4546

■ 69.0321, 61.4942,
58.5159

■ 69.1118, 61.5261,
58.9357

Harmonies

Analogous

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



37.3427, 45.2173, 44.7124



37.3206, 45.2173, 53.7745



38.7617, 45.2173, 62.5889

Triad

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



37.3206, 45.2173, 53.7745



47.4178, 45.2173, 62.8123



44.6281, 45.2173, 34.1941

Complementary

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



37.3206, 45.2173, 53.7745



34.3795, 30.2634, 28.0760

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.



47.4888, 45.2173, 37.9282



37.3206, 45.2173, 53.7745



49.1528, 45.2173, 54.0505

Square

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



37.3206, 45.2173, 53.7745



44.5352, 45.2173, 68.2276



49.1794, 45.2173, 44.9565



41.4569, 45.2173, 34.1395

Rectangle

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



37.3206, 45.2173, 53.7745



40.4013, 45.2173, 66.8242



49.1794, 45.2173, 44.9565



45.6614, 45.2173, 35.0379

Sweetspot

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



37.3219, 45.2191, 53.7755



80.0489, 87.7615, 98.3565



33.2320, 43.6335, 29.9641



16.9681, 18.7464, 21.1162



90.7827, 95.5105, 104.0109



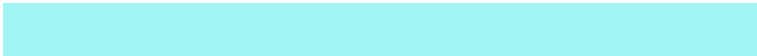
18.6292, 19.5994, 21.3438

Same Dimension

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



37.3219, 45.2191, 53.7755



63.3799, 79.2102, 95.6821



32.8222, 35.8743, 53.3407



9.7926, 10.8032, 12.1573



17.9218, 26.7590, 33.9808



0.7069, 1.0501, 1.3568

Inverse Universe

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



34.3795, 30.2634, 28.0760



57.1962, 47.7714, 41.6665



37.9766, 37.6876, 28.5664



9.5444, 9.5421, 9.9897



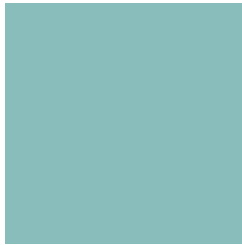
14.1530, 7.2923, 0.8331



0.5594, 0.2877, 0.0592

Previews

White Background



This preview shows how the XYZ color 37.3206, 45.2173, 53.7745 looks on a white background.

Color Contrast Check

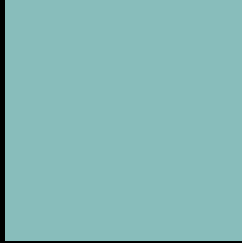
Large Text (above 18pt) WCAG AA × Fail

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 37.3206, 45.2173, 53.7745 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

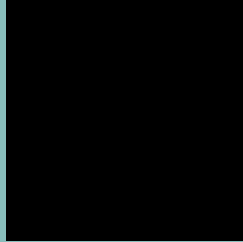
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3206, 45.2173, 53.7745

Background



This preview shows how black text looks on a background with the XYZ color 37.3206, 45.2173, 53.7745.

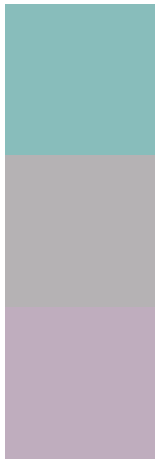


This preview shows how white text looks on a background with the XYZ color 37.3206, 45.2173,

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

37.3206, 45.2173, 53.7745

Protanopia

43.2147, 44.9598, 49.5805

Deuteranopia

45.7237, 44.6812, 54.9296



Tritanopia

39.0785, 45.2939, 62.5601

Trichromacy



Original Color

37.3206, 45.2173, 53.7745

Protanomaly

40.7922, 44.8741, 51.3113

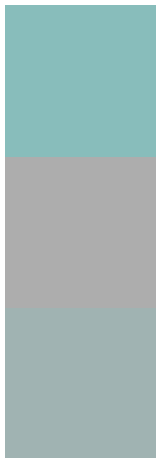
Deuteranomaly

42.1000, 44.5722, 54.5285

Tritanomaly

38.5425, 45.4009, 59.5552

Monochromacy



Original Color

37.3206, 45.2173, 53.7745

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.6532, 42.9281, 48.3682

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3206, 45.2173, 53.7745 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(136, 189, 187)` looks like.

```
.text, #text, p{  
    color:rgb(136, 189, 187)  
}
```

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(136, 189, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 189, 187) }
```

Border

The CSS property to change the border of an element to XYZ 37.3206, 45.2173, 53.7745 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(136, 189, 187) }
```


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

```
.border{ border-color:rgb(136, 189, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 189, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 189, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 189, 187);  
box-shadow:4px 4px 4px 4px rgb(136, 189,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3206, 45.2173, 53.7745 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 189, 187) }
```

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

```
.background{ background-color: rgb(136,  
189, 187) }
```

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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