

Converting Colors

XYZ(36.6267, 44.4572, 53.0118)

Have a look what the booklet for
XYZ(36.6267, 44.4572, 53.0118)
contains.

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Color

**XYZ(36.6777, 44.5799,
53.1260)**

Conversions

Conversions Part 1

Format	Color
Hex	86BCBA
RGB	134, 188, 186
RGB Percent	53%, 74%, 73%
CMY	0.4745, 0.2627, 0.2706
CMYK	0.29, 0.00, 0.01, 0.26
HSL	178°, 29%, 63%
HSV	178°, 29%, 74%
XYZ	36.6777, 44.5799, 53.1260
YIQ	171.6260, -31.5420, -12.0700

Conversions

Conversions Part 2

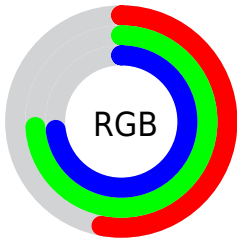
Format	Color
RYB	134, 162, 188
Decimal	8830138
CIELab	72.61, -17.94, -4.67
CIElCh	73, 18.537, 194.584
Yxy	44.5799, 0.2729, 0.3317
Android (android.graphics.Color)	4287020218 (0xFF86BCBA)
YUV	171.6260, 7.0864, -32.9980
Hunter-Lab	66.7682, -18.7891, -0.4380

Details

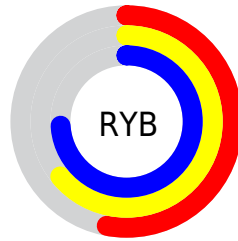
The XYZ color **36.6777, 44.5799, 53.1260** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.7097, 29.5205, 27.2158**, and the grayscale version is **39.0016, 41.0327, 44.6846**.

A 20% lighter version of the original color is **69.3640, 81.9310, 96.1628**, and **16.3773, 20.8152, 25.3449** is the 20% darker color. If you saturate the color by 10%, you get **33.8700, 43.1421, 52.6096**, and if you desaturate by 10%, it is **40.0211, 46.2960, 53.6712**.

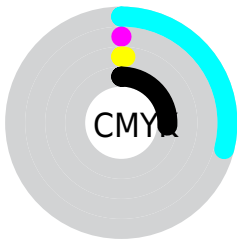
Distribution



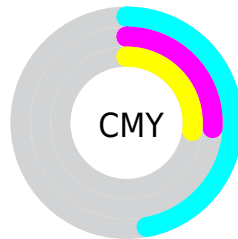
- Red (53%)
- Green (74%)
- Blue (73%)



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



- Cyan (29%)
- Magenta (0%)
- Yellow (1%)
- Black (26%)




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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6777, 44.5799, 53.1260 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 36.6777, 44.5799, 53.1260 by changing the saturation by 10% instead.


 36.6777, 44.5799,
53.1260


 36.6777, 44.5799,
53.1260


323.2928,
365.0695, 415.8483


 25.1306, 31.1267,
37.5150


 69.3939, 82.0896,
96.2332

 16.3036, 20.6953,
25.3075


 91.2936, 106.9149,
124.5664

 9.8315, 12.9015,
16.0852


 117.3749,
136.2997, 157.9774

 5.3488, 7.3607,
9.4295

148.0032,
170.6283, 196.8847

 2.4902, 3.6887,
4.9217

183.5438,
210.2852, 241.7070

 0.8903, 1.5010,
2.1435

224.3620,

 0.0000, 0.2894,

255.6548, 292.8626

0.6415

270.8233,
307.1214, 350.7702

■ 0.0000, 0.0000,
0.0000

■ 36.6777, 44.5799,
53.1260

■ 36.6777, 44.5799,
53.1260

■ 33.8700, 43.1421,
52.6096

■ 40.0211, 46.2960,
53.6712

■ 31.5658, 41.9628,
52.1177

■ 43.9224, 48.2986,
54.2435

■ 29.7356, 41.0278,
51.6499

■ 48.4073, 50.6020,
54.8450

■ 28.3453, 40.3194,
51.2046

■ 53.4988, 53.2180,
55.4768

■ 27.3560, 39.8178,
50.7799

■ 59.2186, 56.1579,
56.1399

■ 26.7223, 39.4994,
50.3737

■ 65.5873, 59.4324,
56.8352

■ 26.3670, 39.3246,
49.9824

■ 68.6148, 60.9842,
57.3761

■ 26.3278, 39.3054,
49.9329

■ 68.6916, 61.0150,
57.7808

■ 68.7689, 61.0459,
58.1874

Harmonies

Analogous

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



36.6987, 44.5799, 43.9935



36.6777, 44.5799, 53.1260



38.1283, 44.5799, 62.0279

Triad

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



36.6777, 44.5799, 53.1260



46.8514, 44.5799, 62.2416



44.0329, 44.5799, 33.4225

Complementary

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



36.6777, 44.5799, 53.1260



33.7097, 29.5205, 27.2158

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.



46.9191, 44.5799, 37.1644



36.6777, 44.5799, 53.1260



48.6014, 44.5799, 53.3893

Square

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



36.6777, 44.5799, 53.1260



43.9443, 44.5799, 67.7242



48.6268, 44.5799, 44.2257



40.8374, 44.5799, 33.3708

Rectangle

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



36.6777, 44.5799, 53.1260



39.7790, 44.5799, 66.3100



48.6268, 44.5799, 44.2257



45.0750, 44.5799, 34.2672

Sweetspot

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



36.6790, 44.5817, 53.1270



79.2785, 87.3656, 98.2594



32.5551, 42.9825, 29.1360



16.8143, 18.6673, 21.0971



90.7827, 95.5105, 104.0109



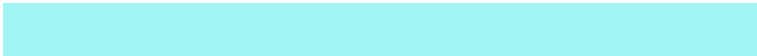
18.6292, 19.5994, 21.3438

Same Dimension

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



36.6790, 44.5817, 53.1270



63.3887, 79.2137, 95.7282



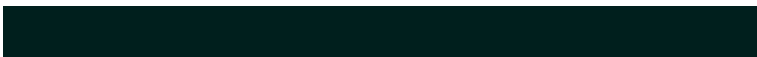
32.1319, 35.1444, 52.6689



9.7929, 10.8033, 12.1588



17.9310, 26.7627, 34.0288



0.7072, 1.0502, 1.3583

Inverse Universe

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



33.7097, 29.5205, 27.2158



57.1909, 47.7693, 41.6385



37.3218, 36.9704, 27.7243



9.5441, 9.5419, 9.9883



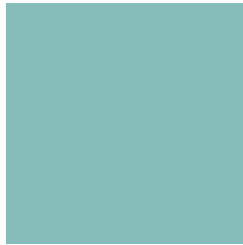
14.1523, 7.2921, 0.8299



0.5593, 0.2876, 0.0586

Previews

White Background



This preview shows how the XYZ color 36.6777, 44.5799, 53.1260 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 36.6777, 44.5799, 53.1260 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 36.6777, 44.5799, 53.1260

Background



This preview shows how black text looks on a background with the XYZ color 36.6777, 44.5799, 53.1260.

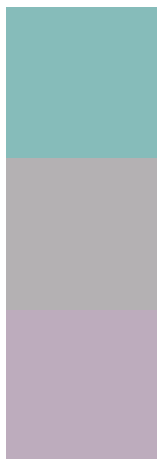


This preview shows how white text looks on a background with the XYZ color 36.6777, 44.5799,

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

36.6777, 44.5799, 53.1260

Protanopia

42.6812, 44.4023, 48.9688

Deuteranopia

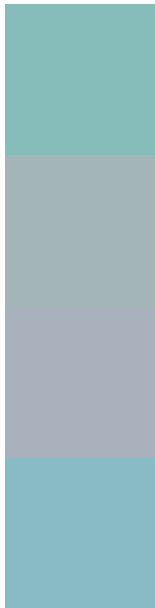
44.9241, 43.9980, 54.2688



Tritanopia

38.4180, 44.6532, 61.8524

Trichromacy



Original Color

36.6777, 44.5799, 53.1260

Protanomaly

40.0716, 44.2117, 50.6777

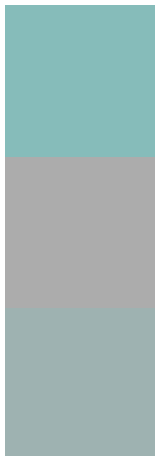
Deuteranomaly

41.3597, 43.9066, 53.8719

Tritanomaly

37.8875, 44.7604, 58.8673

Monochromacy



Original Color

36.6777, 44.5799, 53.1260

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.9568, 42.2842, 47.7561

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6777, 44.5799, 53.1260 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, 188, 186)` looks like.

```
.text, #text, p{  
    color:rgb(134, 188, 186)  
}
```

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, 188, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 188, 186) }
```

Border

The CSS property to change the border of an element to XYZ 36.6777, 44.5799, 53.1260 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, 188, 186) }
```


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

```
.border{ border-color:rgb(134, 188, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 188, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 188, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 188, 186);  
box-shadow:4px 4px 4px 4px rgb(134, 188,  
186) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6777, 44.5799, 53.1260 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 188, 186) }
```

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

```
.background{ background-color: rgb(134,  
188, 186) }
```

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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