

Converting Colors

XYZ(36.6486, 44.5060, 54.6325)

Have a look what the booklet for
XYZ(36.6486, 44.5060, 54.6325)
contains.

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Color

**XYZ(36.6842, 44.5461,
54.8089)**

Conversions

Conversions Part 1

Format	Color
Hex	84BCBD
RGB	132, 188, 189
RGB Percent	52%, 74%, 74%
CMY	0.4823, 0.2627, 0.2588
CMYK	0.30, 0.01, 0.00, 0.26
HSL	181°, 30%, 63%
HSV	181°, 30%, 74%
XYZ	36.6842, 44.5461, 54.8089
YIQ	171.3700, -33.6970, -11.5610

Conversions

Conversions Part 2

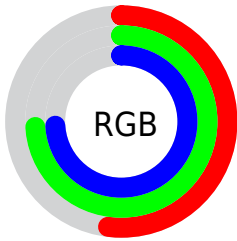
Format	Color
RYB	132, 160, 189
Decimal	8699069
CIELab	72.59, -17.82, -6.35
CIElCh	73, 18.919, 199.616
Yxy	44.5461, 0.2697, 0.3275
Android (android.graphics.Color)	4286889149 (0xFF84BCBD)
YUV	171.3700, 8.6916, -34.5275
Hunter-Lab	66.7429, -18.6902, -1.9686

Details

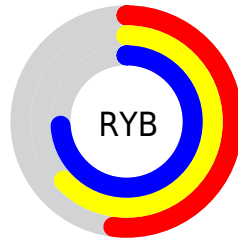
The XYZ color **36.6842, 44.5461, 54.8089** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5391, 29.2600, 25.7106**, and the grayscale version is **38.8655, 40.8895, 44.5287**.

A 20% lighter version of the original color is **69.3256, 81.8587, 98.5327**, and **16.4162, 20.8110, 26.4443** is the 20% darker color. If you saturate the color by 10%, you get **33.9220, 43.0185, 54.6604**, and if you desaturate by 10%, it is **39.9846, 46.3537, 54.9846**.

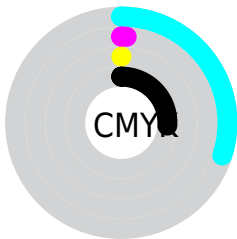
Distribution



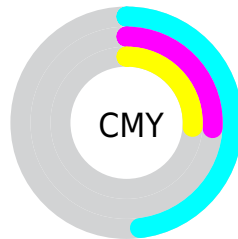
- Red (52%)
- Green (74%)
- Blue (74%)



- Red (52%)
- Yellow (63%)
- Blue (74%)



- Cyan (30%)
- Magenta (1%)
- Yellow (0%)
- Black (26%)



- Cyan (48%)
- Magenta (26%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6842, 44.5461, 54.8089 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 36.6842, 44.5461, 54.8089 by changing the saturation by 10% instead.

■ 36.6842, 44.5461,
54.8089

■ 36.6842, 44.5461,
54.8089

323.3206,
364.9321, 422.4486

■ 25.1356, 31.1001,
38.8512

■ 69.4038, 82.0389,
98.7292

■ 16.3074, 20.6751,
26.3370

■ 91.3055, 106.8544,
127.5290

■ 9.8342, 12.8867,
16.8479

■ 117.3891,
136.2285, 161.4464

■ 5.3506, 7.3506,
9.9653

148.0197,
170.5456, 200.9001

■ 2.4912, 3.6823,
5.2707

183.5628,
210.1902, 246.3087

■ 0.8908, 1.4975,
2.3454

224.3838,

■ 0.0000, 0.2870,

255.5465, 298.0906

0.7565

270.8479,
306.9990, 356.6644

■ 0.0000, 0.0000,
0.0000

■ 36.6842, 44.5461,
54.8089

■ 36.6842, 44.5461,
54.8089

■ 33.9220, 43.0185,
54.6604

■ 39.9846, 46.3537,
54.9846

■ 31.6653, 41.7505,
54.5346

■ 43.8460, 48.4496,
55.1856

■ 29.8835, 40.7276,
54.4310

■ 48.2948, 50.8485,
55.4142

■ 28.5415, 39.9317,
54.3482

■ 53.3543, 53.5625,
55.6714

■ 27.5992, 39.3421,
54.2840

■ 59.0468, 56.6031,
55.9582

■ 27.0092, 38.9344,
54.2364

■ 65.3934, 59.9811,
56.2758

■ 26.6798, 38.6629,
54.2014

■ 68.9081, 61.8996,
56.4608

■ 68.9800, 62.0434,
56.4848

■ 69.0521, 62.1875,
56.5088

Harmonies

Analogous

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



36.4464, 44.5461, 45.3267



36.6842, 44.5461, 54.8089



38.3919, 44.5461, 63.5677

Triad

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



36.6842, 44.5461, 54.8089



47.3165, 44.5461, 61.1425



43.4842, 44.5461, 32.8474

Complementary

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



36.6842, 44.5461, 54.8089



33.5391, 29.2600, 25.7106

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.



46.5493, 44.5461, 36.0291



36.6842, 44.5461, 54.8089



48.8363, 44.5461, 51.8246

Square

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



36.6842, 44.5461, 54.8089



44.4878, 44.5461, 67.5379



48.5486, 44.5461, 42.7006



40.2620, 44.5461, 33.4299

Rectangle

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



36.6842, 44.5461, 54.8089



40.1854, 44.5461, 67.4350



48.5486, 44.5461, 42.7006



44.5697, 44.5461, 33.4943

Sweetspot

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



36.6855, 44.5479, 54.8099



79.2864, 87.1825, 98.8753



31.9443, 42.9936, 28.7879



16.8162, 18.6217, 21.2506



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.



36.6855, 44.5479, 54.8099



62.4193, 77.9709, 97.9863



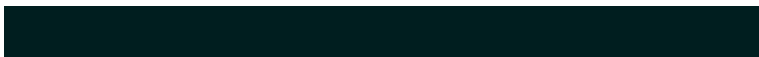
31.1947, 33.5664, 52.9797



9.7939, 10.7801, 12.2368



17.9570, 26.0257, 36.4699



0.7080, 1.0286, 1.4301

Inverse Universe

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



38.3156, 30.9531, 51.5341



65.8046, 49.8663, 91.1549



37.9756, 38.1329, 27.1894



9.9226, 9.6933, 11.9812



20.0646, 9.6570, 31.9635



0.7883, 0.3792, 1.2643

Previews

White Background



This preview shows how the XYZ color 36.6842, 44.5461, 54.8089 looks on a white background.

Color Contrast Check

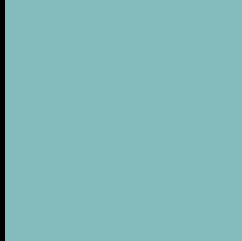
Large Text (above 18pt) WCAG AA × Fail

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 36.6842, 44.5461, 54.8089 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 36.6842, 44.5461, 54.8089

Background



This preview shows how black text looks on a background with the XYZ color 36.6842, 44.5461, 54.8089.

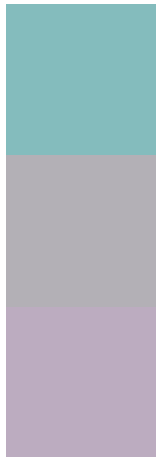


This preview shows how white text looks on a background with the XYZ color 36.6842, 44.5461,

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

36.6842, 44.5461, 54.8089

Protanopia

42.5592, 44.0118, 50.5080

Deuteranopia

45.0060, 44.0022, 55.9904



Tritanopia

38.0932, 44.4858, 61.8372

Trichromacy



Original Color

36.6842, 44.5461, 54.8089

Protanomaly

39.9785, 43.8267, 52.2512

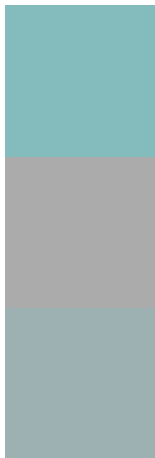
Deuteranomaly

41.4728, 43.9272, 55.5832

Tritanomaly

37.6799, 44.6402, 59.4538

Monochromacy



Original Color

36.6842, 44.5461, 54.8089

Achromatopsia

38.7082, 40.7240, 44.3485

Achromatomaly

37.6626, 41.8267, 48.2078

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6842, 44.5461, 54.8089 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(132, 188, 189)` looks like.

```
.text, #text, p{  
    color:rgb(132, 188, 189)  
}
```

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(132, 188, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 188, 189) }
```

Border

The CSS property to change the border of an element to XYZ 36.6842, 44.5461, 54.8089 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(132, 188, 189) }
```


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

```
.border{ border-color:rgb(132, 188, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 188, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 188, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 188, 189); box-shadow:4px 4px 4px 4px rgb(132, 188, 189) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6842, 44.5461, 54.8089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 188, 189) }
```

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

```
.background{ background-color: rgb(132,  
188, 189) }
```

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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