

# Converting Colors

XYZ(36.6513, 44.6711, 50.6618)

Have a look what the booklet for  
XYZ(36.6513, 44.6711, 50.6618)  
contains.

<b>XYZ(36.6402, 44.6210, 50.3976)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(36.6402, 44.6210,  
50.3976)**

# Conversions

## Conversions Part 1

Format	Color
Hex	89BCB5
RGB	137, 188, 181
RGB Percent	54%, 74%, 71%
CMY	0.4627, 0.2627, 0.2902
CMYK	0.27, 0.00, 0.04, 0.26
HSL	172°, 28%, 64%
HSV	172°, 27%, 74%
XYZ	36.6402, 44.6210, 50.3976
YIQ	171.9530, -28.1490, -12.9890

# Conversions

## Conversions Part 2

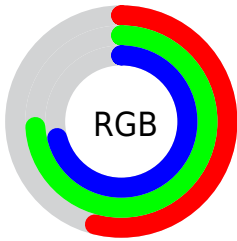
Format	Color
R <sub>Y</sub> B	137, 164, 188
Decimal	9026741
CIE Lab	72.64, -18.18, -1.88
CIE LCh	73, 18.277, 185.897
Yxy	44.6210, 0.2783, 0.3389
Android (android.graphics.Color)	4287216821 (0xFF89BCB5)
YUV	171.9530, 4.4602, -30.6538
Hunter-Lab	66.7990, -18.9883, 2.0269

# Details

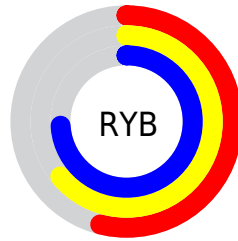
The XYZ color **36.6402, 44.6210, 50.3976** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.7203, 30.5975, 30.4632**, and the grayscale version is **39.1783, 41.2186, 44.8870**.

A 20% lighter version of the original color is **69.3750, 82.0223, 92.2962**, and **16.3066, 20.8178, 23.5809** is the 20% darker color. If you saturate the color by 10%, you get **33.5608, 43.0650, 48.8845**, and if you desaturate by 10%, it is **40.2641, 46.4595, 51.9637**.

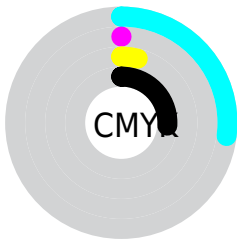
# Distribution



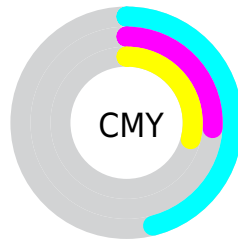
- Red (54%)
- Green (74%)
- Blue (71%)



- Red (54%)
- Yellow (64%)
- Blue (74%)



- Cyan (27%)
- Magenta (0%)
- Yellow (4%)
- Black (26%)




- Cyan (46%)
- Magenta (26%)
- Yellow (29%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6402, 44.6210, 50.3976 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 36.6402, 44.6210, 50.3976 by changing the saturation by 10% instead.





 36.6402, 44.6210,  
50.3976


 36.6402, 44.6210,  
50.3976


323.1328,  
365.2364, 404.9983


 25.1014, 31.1590,  
35.3560


 69.3365, 82.1514,  
92.1661

 16.2818, 20.7200,  
23.6515


 91.2247, 106.9886,  
119.7300

 9.8159, 12.9195,  
14.8655

 117.2935,  
136.3863, 152.3052

 5.3384, 7.3731,  
8.5795

147.9082,  
170.7289, 190.3102

 2.4839, 3.6965,  
4.3749

183.4341,  
210.4008, 234.1634

 0.8872, 1.5053,  
1.8332

224.2366,

 0.0000, 0.2924,

255.7865, 284.2835

0.4497

270.6810,  
307.2702, 341.0889

■ 0.0000, 0.0000,  
0.0000

■ 36.6402, 44.6210,  
50.3976

■ 36.6402, 44.6210,  
50.3976

■ 33.5608, 43.0650,  
48.8845

■ 40.2641, 46.4595,  
51.9637

■ 30.9941, 41.7716,  
47.4199

■ 44.4545, 48.5882,  
53.5812

■ 28.9110, 40.7269,  
46.0033

■ 49.2369, 51.0216,  
55.2522

■ 27.2780, 39.9137,  
44.6329

■ 54.6340, 53.7713,  
56.9781

■ 26.0570, 39.3123,  
43.3069

■ 60.6675, 56.8485,  
58.7599

■ 25.2039, 38.9000,  
42.0231

■ 67.3578, 60.2637,  
60.5987

■ 24.6564, 38.6448,  
40.7783

■ 69.5410, 61.3548,  
62.2529

■ 24.5226, 38.5835,  
40.4265

■ 69.8434, 61.4758,  
63.8458

■ 70.1510, 61.5988,  
65.4655

# Harmonies

## Analogous

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



37.0942, 44.6210, 41.8081



36.6402, 44.6210, 50.3976



37.6690, 44.6210, 59.5384

# Triad

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



36.6402, 44.6210, 50.3976



46.0806, 44.6210, 64.1173



44.9454, 44.6210, 34.3471

# Complementary

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



36.6402, 44.6210, 50.3976



34.7203, 30.5975, 30.4632

# 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.



47.5349, 44.6210, 39.0642



36.6402, 44.6210, 50.3976



48.2128, 44.6210, 56.0566

# Square

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



36.6402, 44.6210, 50.3976



43.0393, 44.6210, 68.0680



48.7578, 44.6210, 46.8158



41.7887, 44.6210, 33.2266



# Rectangle

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



36.6402, 44.6210, 50.3976



39.0891, 44.6210, 64.4946



48.7578, 44.6210, 46.8158



45.9158, 44.6210, 35.5333

# Sweetspot

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



36.6415, 44.6228, 50.3986



79.7544, 87.6436, 96.8054



34.1154, 43.7624, 30.3166



16.8931, 18.7164, 20.7214



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.



36.6415, 44.6228, 50.3986



62.7145, 79.0019, 89.5660



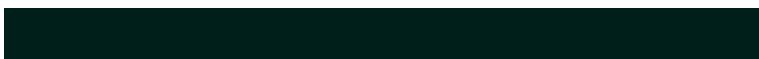
33.7978, 37.7564, 53.0855



9.7507, 10.7864, 11.9367



16.7159, 26.2766, 27.6302



0.6705, 1.0356, 1.1654



# Inverse Universe

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



34.7203, 30.5975, 30.4632



58.6132, 49.0325, 46.9878



36.9523, 35.8917, 28.6478



9.5821, 9.5571, 10.1883



14.2622, 7.3360, 1.4086



0.5761, 0.2943, 0.1471



# Previews

## White Background



This preview shows how the XYZ color 36.6402, 44.6210, 50.3976 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

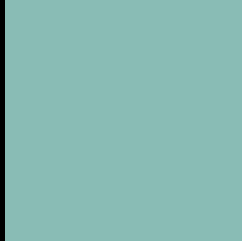
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.6402, 44.6210, 50.3976 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

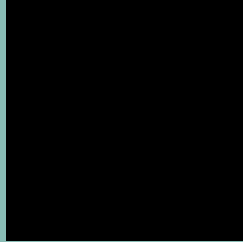
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.6402, 44.6210, 50.3976**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.6402, 44.6210, 50.3976.



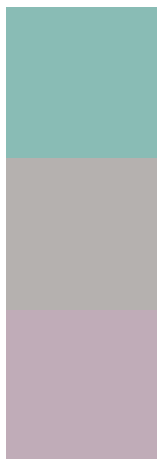
This preview shows how white text looks on a background with the XYZ color 36.6402, 44.6210,



# 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

36.6402, 44.6210, 50.3976

### Protanopia

42.5161, 44.3632, 46.8796

### Deuteranopia

45.1425, 44.1722, 51.4942



## Tritanopia

38.7588, 44.5308, 61.1961

# Trichromacy



## Original Color

36.6402, 44.6210, 50.3976

## Protanomaly

39.9767, 44.2214, 48.0236

## Deuteranomaly

41.4809, 44.0303, 51.1122

## Tritanomaly

37.9998, 44.5435, 57.0470

# Monochromacy



## Original Color

36.6402, 44.6210, 50.3976

## Achromatopsia

39.2122, 41.2543, 44.9259

## Achromatomaly

37.9563, 42.3069, 46.7230

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.6402, 44.6210, 50.3976 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(137, 188, 181)` looks like.

```
.text, #text, p{  
    color:rgb(137, 188, 181)  
}
```

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(137, 188, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 188, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 36.6402, 44.6210, 50.3976 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(137, 188, 181) }
```



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

```
.border{ border-color:rgb(137, 188, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 188, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 188, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 188, 181);  
box-shadow:4px 4px 4px 4px rgb(137, 188,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.6402, 44.6210, 50.3976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 188, 181) }
```

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

```
.background{ background-color: rgb(137,  
188, 181) }
```

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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