

Converting Colors

XYZ(36.2090, 46.6884, 52.2682)

Have a look what the booklet for
XYZ(36.2090, 46.6884, 52.2682)
contains.

XYZ(36.1929, 46.6285, 52.4400)	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(36.1929, 46.6285,
52.4400)**

Conversions

Conversions Part 1

Format	Color
Hex	7AC3B8
RGB	122, 195, 184
RGB Percent	48%, 76%, 72%
CMY	0.5216, 0.2353, 0.2784
CMYK	0.37, 0.00, 0.06, 0.24
HSL	171°, 38%, 62%
HSV	171°, 37%, 76%
XYZ	36.1929, 46.6285, 52.4400
YIQ	171.9190, -39.9770, -18.8970

Conversions

Conversions Part 2

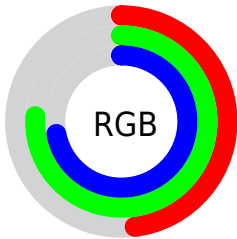
Format	Color
R_{YB}	122, 161, 195
Decimal	8045496
CIE _{Lab}	73.95, -25.31, -1.68
CIE _{LCh}	74, 25.369, 183.801
Yxy	46.6285, 0.2676, 0.3447
Android (android.graphics.Color)	4286235576 (0xFF7AC3B8)
YUV	171.9190, 5.9559, -43.7790
Hunter-Lab	68.2851, -24.8891, 2.2674

Details

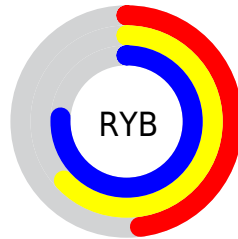
The XYZ color **36.1929, 46.6285, 52.4400** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.7005, 27.2160, 25.6692**, and the grayscale version is **39.1581, 41.1974, 44.8640**.

A 20% lighter version of the original color is **68.6700, 85.2592, 95.2755**, and **16.0055, 21.9174, 24.8596** is the 20% darker color. If you saturate the color by 10%, you get **33.3994, 45.2248, 50.7186**, and if you desaturate by 10%, it is **39.5495, 48.3241, 54.2232**.

Distribution



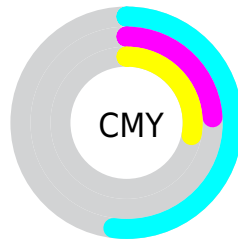
- Red (48%)
- Green (76%)
- Blue (72%)



- Red (48%)
- Yellow (63%)
- Blue (76%)



- Cyan (37%)
- Magenta (0%)
- Yellow (6%)
- Black (24%)





- Cyan (52%)
- Magenta (24%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.1929, 46.6285, 52.4400 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 36.1929, 46.6285, 52.4400 by changing the saturation by 10% instead.


 36.1929, 46.6285,
52.4400


 36.1929, 46.6285,
52.4400


321.2194,
373.3297, 413.1381


 24.7540, 32.7421,
36.9713


 68.6516, 85.1588,
95.2130

 16.0216, 21.9289,
24.8896


 90.4022, 110.5715,
123.3543

 9.6304, 13.8047,
15.7766


 116.3206,
140.5951, 156.5570

 5.2150, 7.9849,
9.2135

146.7724,
175.6139, 195.2394

 2.4100, 4.0853,
4.7820

182.1228,
216.0124, 239.8202

 0.8501, 1.7214,
2.0634

222.7372,

 0.0000, 0.4375,

262.1749, 290.7179

0.5939

268.9810,
314.4859, 348.3510

■ 0.0000, 0.0000,
0.0000

■ 36.1929, 46.6285,
52.4400

■ 36.1929, 46.6285,
52.4400

■ 33.3994, 45.2248,
50.7186

■ 39.5495, 48.3241,
54.2232

■ 31.1317, 44.0902,
49.0539

■ 43.4957, 50.3217,
56.0667

■ 29.3540, 43.2076,
47.4453

■ 48.0612, 52.6379,
57.9729

■ 28.0247, 42.5553,
45.8904

■ 53.2727, 55.2863,
59.9434

■ 27.0949, 42.1083,
44.3868

■ 59.1550, 58.2797,
61.9794

■ 26.4952, 41.8308,
42.9311

■ 65.7318, 61.6304,
64.0824

■ 26.3635, 41.7708,
42.5640

■ 71.7240, 64.6791,
66.1926

■ 72.0813, 64.8220,
68.0738

■ 72.4452, 64.9675,
69.9903

Harmonies

Analogous

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



36.9624, 46.6285, 40.5459



36.1929, 46.6285, 52.4400



37.4757, 46.6285, 65.9305

Triad

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



36.1929, 46.6285, 52.4400



49.3369, 46.6285, 74.4162



48.2719, 46.6285, 31.5358

Complementary

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



36.1929, 46.6285, 52.4400



33.7005, 27.2160, 25.6692

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.



51.9484, 46.6285, 38.1332



36.1929, 46.6285, 52.4400



52.5921, 46.6285, 62.5839

Square

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



36.1929, 46.6285, 52.4400



44.8982, 46.6285, 79.9092



53.5785, 46.6285, 49.1368



43.7448, 46.6285, 29.7472

Rectangle

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



36.1929, 46.6285, 52.4400



39.3770, 46.6285, 73.6469



53.5785, 46.6285, 49.1368



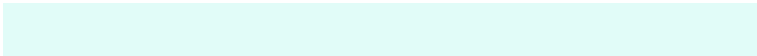
49.6581, 46.6285, 33.2021

Sweetspot

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



36.1942, 46.6304, 52.4411



82.8881, 92.6538, 102.5377



32.8875, 45.5193, 25.4661



17.9020, 20.1636, 22.3511



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



36.1942, 46.6304, 52.4411



60.6168, 81.3968, 91.3626



32.3779, 37.0794, 57.0824



10.3012, 11.4015, 12.5893



17.1589, 27.1576, 27.7936



0.7595, 1.1806, 1.2961

Inverse Universe

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



33.7005, 27.2160, 25.6692



55.5167, 41.5999, 36.5423



36.3505, 33.6695, 22.9963



10.1337, 10.1021, 10.7946



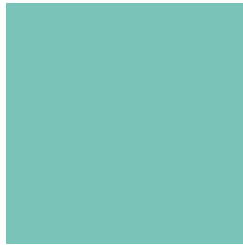
14.7946, 7.6076, 1.5644



0.6594, 0.3368, 0.1737

Previews

White Background



This preview shows how the XYZ color 36.1929, 46.6285, 52.4400 looks on a white background.

Color Contrast Check

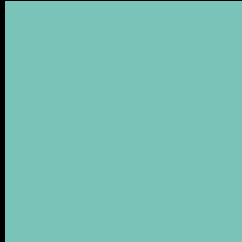
Large Text (above 18pt) WCAG AA × Fail

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 36.1929, 46.6285, 52.4400 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 36.1929, 46.6285, 52.4400

Background



This preview shows how black text looks on a background with the XYZ color 36.1929, 46.6285, 52.4400.

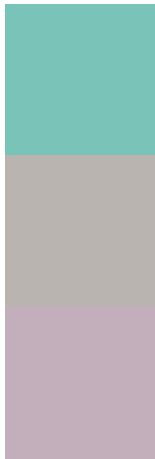


This preview shows how white text looks on a background with the XYZ color 36.1929, 46.6285,

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

36.1929, 46.6285, 52.4400

Protanopia

44.1653, 46.0914, 47.6431

Deuteranopia

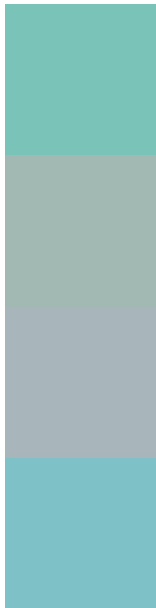
46.9127, 45.8929, 53.9626



Tritanopia

39.0142, 46.7935, 66.0073

Trichromacy



Original Color

36.1929, 46.6285, 52.4400

Protanomaly

40.3859, 45.6340, 49.3275

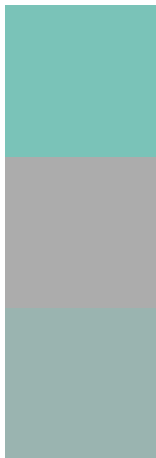
Deuteranomaly

41.8460, 45.3686, 53.5652

Tritanomaly

37.9830, 46.6991, 61.0447

Monochromacy



Original Color

36.1929, 46.6285, 52.4400

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

37.4842, 42.6471, 47.3304

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.1929, 46.6285, 52.4400 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(122, 195, 184)` looks like.

```
.text, #text, p{  
    color:rgb(122, 195, 184)  
}
```

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(122, 195, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 195, 184) }
```

Border

The CSS property to change the border of an element to XYZ 36.1929, 46.6285, 52.4400 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(122, 195, 184) }
```


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

```
.border{ border-color:rgb(122, 195, 184) }
```

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

Here you see how a box with a 4 pixel rgb(122, 195, 184) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 195, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 195, 184);  
box-shadow:4px 4px 4px 4px rgb(122, 195,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 36.1929, 46.6285, 52.4400 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 195, 184) }
```

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

```
.background{ background-color: rgb(122,  
195, 184) }
```

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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