

Converting Colors

XYZ(36.2336, 49.6766, 55.6585)

Have a look what the booklet for
XYZ(36.2336, 49.6766, 55.6585)
contains.

XYZ(36.2577, 49.6846, 55.8232)	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(36.2577, 49.6846,
55.8232)**

Conversions

Conversions Part 1

Format	Color
Hex	66CCBD
RGB	102, 204, 189
RGB Percent	40%, 80%, 74%
CMY	0.6000, 0.2000, 0.2588
CMYK	0.50, 0.00, 0.07, 0.20
HSL	171°, 50%, 60%
HSV	171°, 50%, 80%
XYZ	36.2577, 49.6846, 55.8232
YIQ	171.7920, -55.9770, -26.2890

Conversions

Conversions Part 2

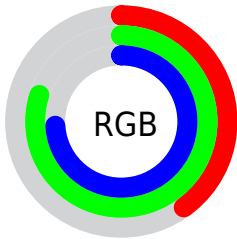
Format	Color
RYB	102, 157, 204
Decimal	6737085
CIELab	75.88, -33.39, -1.67
CIELCh	76, 33.431, 182.857
Yxy	49.6846, 0.2558, 0.3505
Android (android.graphics.Color)	4284927165 (0xFF66CCBD)
YUV	171.7920, 8.4835, -61.2076
Hunter-Lab	70.4873, -31.5348, 2.3857

Details

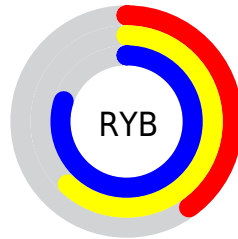
The XYZ color **36.2577, 49.6846, 55.8232** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **32.8658, 23.6260, 19.6597**, and the grayscale version is **39.0876, 41.1232, 44.7831**.

A 20% lighter version of the original color is **66.7386, 85.5862, 99.3885**, and **16.0281, 23.7038, 27.0231** is the 20% darker color. If you saturate the color by 10%, you get **33.9020, 48.5087, 54.0312**, and if you desaturate by 10%, it is **39.1918, 51.1604, 57.6796**.

Distribution



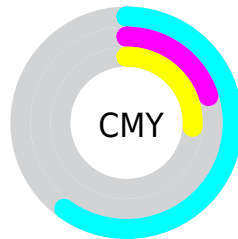
- Red (40%)
- Green (80%)
- Blue (74%)



- Red (40%)
- Yellow (62%)
- Blue (80%)



- Cyan (50%)
- Magenta (0%)
- Yellow (7%)
- Black (20%)



- Cyan (60%)
- Magenta (20%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2577, 49.6846, 55.8232 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 36.2577, 49.6846, 55.8232 by changing the saturation by 10% instead.

■ 36.2577, 49.6846,
55.8232

■ 36.2577, 49.6846,
55.8232

321.4971,
385.4313, 426.3944

■ 24.8043, 35.1629,
39.6581

■ 68.7509, 89.7074,
100.2292

■ 16.0593, 23.7884,
26.9603

■ 90.5214, 115.9772,
129.3073

■ 9.6572, 15.1767,
17.3113

■ 116.4617,
146.9319, 163.5268

■ 5.2328, 8.9435,
10.2924

■ 146.9372,
182.9557, 203.3062

■ 2.4206, 4.7043,
5.4851

182.3131,
224.4332, 249.0642

■ 0.8554, 2.0749,
2.4709

222.9548,

■ 0.0000, 0.6504,

271.7487, 301.2192

0.8247

269.2277,
325.2866, 360.1898

■ 0.0000, 0.0000,
0.0000

■ 36.2577, 49.6846,
55.8232

■ 36.2577, 49.6846,
55.8232

■ 33.9020, 48.5087,
54.0312

■ 39.1918, 51.1604,
57.6796

■ 32.0780, 47.6048,
52.2980

■ 42.7383, 52.9498,
59.5990

■ 30.7385, 46.9500,
50.6222


■ 46.9334, 55.0729,
61.5843


■ 29.8262, 46.5146,
49.0010


■ 51.8095, 57.5463,
63.6373


■ 29.2336, 46.2433,
47.4291


■ 57.3967, 60.3854,
65.7595

 29.2335, 46.2433,
47.4288

 63.7233, 63.6049,
67.9526

 70.8160, 67.2185,
70.2179

 74.8446, 69.2517,
72.3764

 75.2291, 69.4055,
74.4011

Harmonies

Analogous

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



37.3606, 49.6846, 39.9282



36.2577, 49.6846, 55.8232



37.8728, 49.6846, 74.8900

Triad

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



36.2577, 49.6846, 55.8232



54.0141, 49.6846, 88.2729



52.8928, 49.6846, 28.9844

Complementary

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



36.2577, 49.6846, 55.8232



32.8658, 23.6260, 19.6597

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.



57.9995, 49.6846, 37.5617



36.2577, 49.6846, 55.8232



58.6858, 49.6846, 71.2771

Square

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



36.2577, 49.6846, 55.8232



47.8223, 49.6846, 96.0246



60.2040, 49.6846, 52.4089



46.6302, 49.6846, 26.5931

Rectangle

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



36.2577, 49.6846, 55.8232



40.3642, 49.6846, 86.2519



60.2040, 49.6846, 52.4089



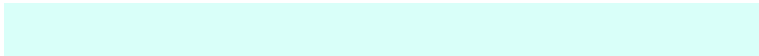
54.8194, 49.6846, 31.1307

Sweetspot

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



36.2591, 49.6866, 55.8244



81.4583, 93.0964, 103.6050



31.3692, 47.9497, 20.1735



17.0731, 19.7427, 22.0210



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.



36.2591, 49.6866, 55.8244



55.8757, 80.1993, 89.2496



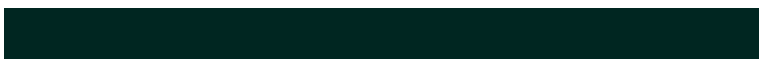
30.4383, 35.3024, 62.3386



11.4696, 12.6976, 14.0302



18.4262, 29.1158, 29.9933



0.9704, 1.5100, 1.6517

Inverse Universe

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



32.8658, 23.6260, 19.6597



49.6614, 32.2307, 22.8397



36.3473, 31.8894, 16.8111



11.2784, 11.2401, 12.0009



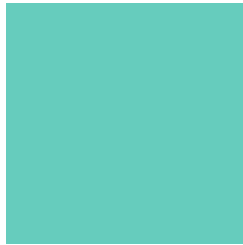
15.8424, 8.1475, 1.6226



0.8394, 0.4292, 0.2001

Previews

White Background



This preview shows how the XYZ color 36.2577, 49.6846, 55.8232 looks on a white background.

Color Contrast Check

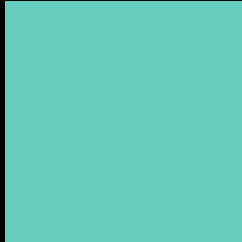
Large Text (above 18pt) WCAG AA × Fail

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 36.2577, 49.6846, 55.8232 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

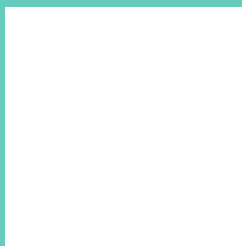
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.2577, 49.6846, 55.8232

Background



This preview shows how black text looks on a background with the XYZ color 36.2577, 49.6846, 55.8232.

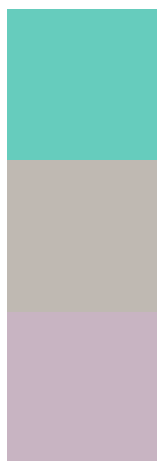


This preview shows how white text looks on a background with the XYZ color 36.2577, 49.6846,

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

36.2577, 49.6846, 55.8232

Protanopia

46.8707, 48.9886, 49.1049

Deuteranopia

49.8783, 48.8169, 57.8327



Tritanopia

39.6045, 49.6459, 72.4610

Trichromacy



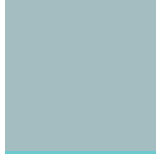
Original Color

36.2577, 49.6846, 55.8232



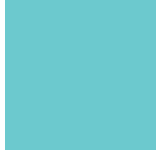
Protanomaly

41.5912, 48.4476, 51.4152



Deuteranomaly

43.0219, 48.0935, 56.8846



Tritanomaly

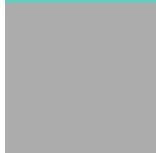
38.2116, 49.4177, 65.9171

Monochromacy



Original Color

36.2577, 49.6846, 55.8232



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

37.2090, 43.6984, 48.5930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2577, 49.6846, 55.8232 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(102, 204, 189)` looks like.

```
.text, #text, p{  
    color:rgb(102, 204, 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(102, 204, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 204, 189) }
```

Border

The CSS property to change the border of an element to XYZ 36.2577, 49.6846, 55.8232 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(102, 204, 189) }
```


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

```
.border{ border-color:rgb(102, 204, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 204, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 204, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 204, 189);  
box-shadow:4px 4px 4px 4px rgb(102, 204,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2577, 49.6846, 55.8232 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 204, 189) }
```

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

```
.background{ background-color: rgb(102,  
204, 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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