

Converting Colors

XYZ(36.9579, 54.0851, 62.5642)

Have a look what the booklet for
XYZ(36.9579, 54.0851, 62.5642)
contains.

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Color

**XYZ(36.8560, 53.8826,
62.4907)**

Conversions

Conversions Part 1

Format	Color
Hex	42D7C7
RGB	66, 215, 199
RGB Percent	26%, 84%, 78%
CMY	0.7411, 0.1568, 0.2196
CMYK	0.69, 0.00, 0.07, 0.16
HSL	174°, 65%, 55%
HSV	174°, 69%, 84%
XYZ	36.8560, 53.8826, 62.4907
YIQ	168.6250, -83.6680, -36.5640

Conversions

Conversions Part 2

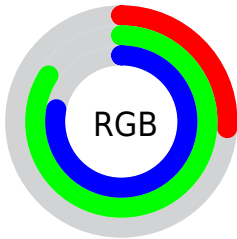
Format	Color
RYB	66, 145, 215
Decimal	4380615
CIELab	78.39, -42.26, -3.46
CIELCh	78, 42.400, 184.680
Yxy	53.8826, 0.2405, 0.3516
Android (android.graphics.Color)	4282570695 (0xFF42D7C7)
YUV	168.6250, 14.9749, -90.0021
Hunter-Lab	73.4048, -38.8348, 0.9088

Details

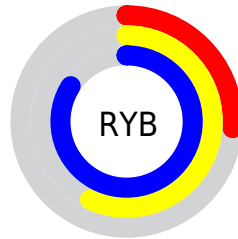
The XYZ color **36.8560, 53.8826, 62.4907** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light muted cyan. A complement of this color would be **31.4973, 18.9543, 9.9831**, and the grayscale version is **37.4867, 39.4390, 42.9490**.

A 20% lighter version of the original color is **63.4829, 83.7265, 107.4227**, and **17.5090, 26.8406, 31.0460** is the 20% darker color. If you saturate the color by 10%, you get **35.4048, 53.1665, 61.0349**, and if you desaturate by 10%, it is **38.8586, 54.8850, 63.9959**.

Distribution



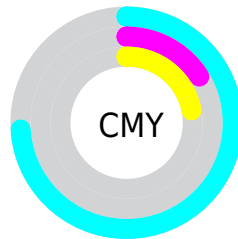
- Red (26%)
- Green (84%)
- Blue (78%)



- Red (26%)
- Yellow (57%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (7%)
- Black (16%)





- Cyan (74%)
- Magenta (16%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8560, 53.8826, 62.4907 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 36.8560, 53.8826, 62.4907 by changing the saturation by 10% instead.

 36.8560, 53.8826,
62.4907


 36.8560, 53.8826,
62.4907


324.0530,
401.6622, 451.7757


 25.2692, 38.5078,
44.9910


 69.6665, 95.9018,
110.0129


 16.4075, 26.3771,
31.1074


 91.6209, 123.3151,
140.8724

 9.9057, 17.1059,
20.4215


 117.7619,
155.5100, 177.0223

 5.3982, 10.3100,
12.5147

 148.4549,
192.8708, 218.8810

 2.5199, 5.6050,
6.9685

184.0651,
235.7821, 266.8672

 0.9053, 2.6064,
3.3642

224.9580,

 0.0000, 0.9299,

284.6281, 321.3994

1.2835

271.4988,
339.7934, 382.8960

■ 0.0000, 0.0000,
0.0482

■ 0.0000, 0.0000,
0.0000

■ 36.8560, 53.8826,
62.4907

■ 36.8560, 53.8826,
62.4907

■ 35.4048, 53.1665,
61.0349

■ 38.8586, 54.8850,
63.9959

■ 34.4355, 52.6971,
59.6216


■ 41.4625, 56.1957,
65.5495


■ 33.8428, 52.4213,
58.2470


■ 44.7174, 57.8415,
67.1549


■ 33.8060, 52.4044,
58.1517


■ 48.6664, 59.8446,
68.8143

 53.3489, 62.2255,
70.5296

 58.8015, 65.0028,
72.3027

 65.0582, 68.1941,
74.1351

 72.1509, 71.8160,
76.0286

 78.4308, 75.0184,
77.9060

Harmonies

Analogous

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



38.0612, 53.8826, 41.1621



36.8560, 53.8826, 62.4907



39.1432, 53.8826, 88.8193

Triad

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



36.8560, 53.8826, 62.4907



60.8750, 53.8826, 105.0331



58.3710, 53.8826, 26.2143

Complementary

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



36.8560, 53.8826, 62.4907



31.4973, 18.9543, 9.9831

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.



65.5411, 53.8826, 36.2543



36.8560, 53.8826, 62.4907



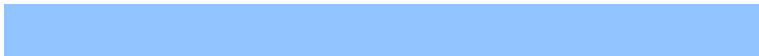
67.0931, 53.8826, 80.5459

Square

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



36.8560, 53.8826, 62.4907



52.5314, 53.8826, 117.2653



68.8865, 53.8826, 55.0064



49.9184, 53.8826, 23.8068

Rectangle

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



36.8560, 53.8826, 62.4907



42.5036, 53.8826, 104.6010



68.8865, 53.8826, 55.0064



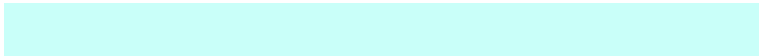
61.0394, 53.8826, 28.6440

Sweetspot

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



36.8576, 53.8847, 62.4920



77.1063, 90.8551, 103.2990



28.8867, 50.8528, 13.4486



16.0816, 19.2319, 21.9588



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.



36.8576, 53.8847, 62.4920



51.3748, 77.8827, 88.8698



26.7213, 30.4807, 68.7672



12.7320, 14.0838, 15.6694



20.2432, 31.3526, 34.9062



1.2378, 1.8978, 2.1941

Inverse Universe

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



31.4973, 18.9543, 9.9831



43.1024, 23.4076, 7.4131



36.1071, 29.0374, 8.8572



12.4769, 12.4423, 13.1858



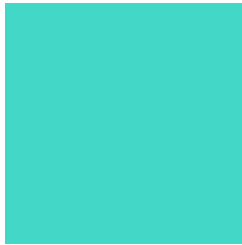
16.8740, 8.6859, 1.3745



1.0365, 0.5314, 0.1816

Previews

White Background



This preview shows how the XYZ color 36.8560, 53.8826, 62.4907 looks on a white background.

Color Contrast Check

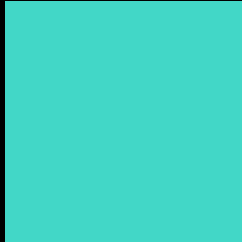
Large Text (above 18pt) WCAG AA × Fail

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 36.8560, 53.8826, 62.4907 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

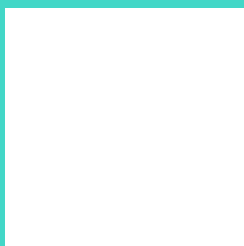
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.8560, 53.8826, 62.4907

Background



This preview shows how black text looks on a background with the XYZ color 36.8560, 53.8826, 62.4907.

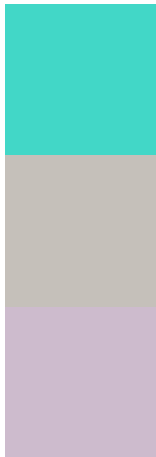


This preview shows how white text looks on a background with the XYZ color 36.8560, 53.8826,

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

36.8560, 53.8826, 62.4907

Protanopia

50.7385, 53.1148, 54.0323

Deuteranopia

53.9666, 52.9276, 65.1293



Tritanopia

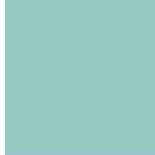
40.6912, 53.9393, 81.6655

Trichromacy



Original Color

36.8560, 53.8826, 62.4907



Protanomaly

42.4527, 51.4597, 56.9854



Deuteranomaly

44.0722, 51.1143, 64.0431



Tritanomaly

39.0484, 53.6332, 73.9398

Monochromacy



Original Color

36.8560, 53.8826, 62.4907



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

35.3128, 43.3186, 49.6802

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8560, 53.8826, 62.4907 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(66, 215, 199)` looks like.

```
.text, #text, p{  
    color:rgb(66, 215, 199)  
}
```

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(66, 215, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 215, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.8560, 53.8826, 62.4907 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(66, 215, 199) }
```


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

```
.border{ border-color:rgb(66, 215, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 215, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 215, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 215, 199);  
box-shadow:4px 4px 4px 4px rgb(66, 215,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8560, 53.8826, 62.4907 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 215, 199) }
```

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

```
.background{ background-color: rgb(66, 215,  
199) }
```

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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