

Converting Colors

XYZ(24.3239, 35.9254, 28.3293)

Have a look what the booklet for
XYZ(24.3239, 35.9254, 28.3293)
contains.

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Color

**XYZ(24.3537, 35.9877,
28.2170)**

Conversions

Conversions Part 1

Format	Color
Hex	57B386
RGB	87, 179, 134
RGB Percent	34%, 70%, 53%
CMY	0.6588, 0.2980, 0.4745
CMYK	0.51, 0.00, 0.25, 0.30
HSL	151°, 38%, 52%
HSV	151°, 51%, 70%
XYZ	24.3537, 35.9877, 28.2170
YIQ	146.3620, -40.3870, -33.4990

Conversions

Conversions Part 2

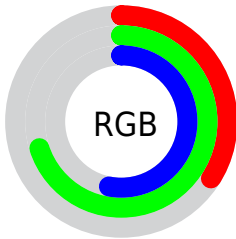
Format	Color
RYB	87, 148, 179
Decimal	5747590
CIELab	66.51, -38.07, 14.75
CIELCh	67, 40.831, 158.825
Yxy	35.9877, 0.2750, 0.4064
Android (android.graphics.Color)	4283937670 (0xFF57B386)
YUV	146.3620, -6.0945, -52.0605
Hunter-Lab	59.9897, -32.5174, 14.1050

Details

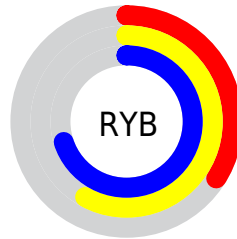
The XYZ color **24.3537, 35.9877, 28.2170** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **26.1647, 18.0670, 23.9395**, and the grayscale version is **27.5072, 28.9397, 31.5153**.

A 20% lighter version of the original color is **50.0057, 68.8442, 57.6664**, and **9.3348, 15.5140, 10.8900** is the 20% darker color. If you saturate the color by 10%, you get **22.2997, 34.9974, 25.0643**, and if you desaturate by 10%, it is **26.8746, 37.2147, 31.6571**.

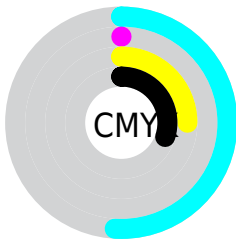
Distribution



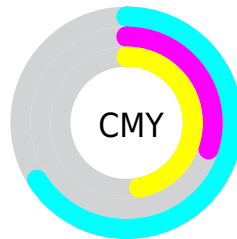
- Red (34%)
- Green (70%)
- Blue (53%)



- Red (34%)
- Yellow (58%)
- Blue (70%)



- Cyan (51%)
- Magenta (0%)
- Yellow (25%)
- Black (30%)



- Cyan (66%)
- Magenta (30%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3537, 35.9877, 28.2170 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 24.3537, 35.9877, 28.2170 by changing the saturation by 10% instead.

■ 24.3537, 35.9877,
28.2170

■ 24.3537, 35.9877,
28.2170

267.0112,
328.9068, 307.4469

■ 15.7224, 24.4247,
18.2488

■ 50.0573, 69.0131,
57.8580

■ 9.4175, 15.6490,
10.9575

■ 67.8602, 91.2442,
78.3679

■ 5.0738, 9.2761,
5.9245

■ 89.4510, 117.8003,
103.2287

■ 2.3258, 4.9217,
2.7311

■ 115.1951,
149.0655, 132.8591

■ 0.8078, 2.2014,
0.9590

145.4578,
185.4244, 167.6776

■ 0.0000, 0.7208,
0.0000

180.6045,

■ 0.0000, 0.0000,

227.2613, 208.1027

0.0000

221.0005,
274.9606, 254.5529

■ 24.3537, 35.9877,
28.2170

■ 24.3537, 35.9877,
28.2170

■ 22.2997, 34.9974,
25.0643

■ 26.8746, 37.2147,
31.6571

■ 20.6772, 34.2230,
22.1887

■ 29.8887, 38.6891,
35.3896

■ 19.4503, 33.6469,
19.5826

■ 33.4237, 40.4258,
39.4226

■ 18.5755, 33.2469,
17.2372

■ 37.5042, 42.4375,
43.7630

■ 18.0283, 33.0046,
15.4188

■ 42.1534, 44.7361,
48.4174

■ 47.3930, 47.3325,
53.3923

■ 53.2435, 50.2373,
58.6939

■ 59.7247, 53.4604,
64.3283

■ 66.8550, 57.0114,
70.3013

Harmonies

Analogous

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



27.3380, 35.9877, 18.3384



24.3537, 35.9877, 28.2170



23.8344, 35.9877, 44.5923

Triad

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



24.3537, 35.9877, 28.2170



36.0447, 35.9877, 82.8752



44.2288, 35.9877, 21.6093

Complementary

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



24.3537, 35.9877, 28.2170



26.1647, 18.0670, 23.9395

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.



47.2175, 35.9877, 34.2326



24.3537, 35.9877, 28.2170



42.1357, 35.9877, 71.7857

Square

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



24.3537, 35.9877, 28.2170



30.1238, 35.9877, 79.8183



46.4089, 35.9877, 52.6790



38.6396, 35.9877, 15.3917

Rectangle

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



24.3537, 35.9877, 28.2170



24.8873, 35.9877, 57.8069



46.4089, 35.9877, 52.6790



45.5995, 35.9877, 25.0643

Sweetspot

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



24.3547, 35.9892, 28.2178



64.2290, 74.5520, 75.3110



27.5145, 37.9165, 14.8858



13.8921, 16.3505, 16.3260



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



24.3547, 35.9892, 28.2178



39.4050, 62.4220, 44.0035



28.1885, 37.5227, 48.4065



8.5641, 9.5601, 9.9642



12.7722, 23.3348, 11.0689



0.4312, 0.7460, 0.5029

Inverse Universe

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



26.1647, 18.0670, 23.9395



43.0186, 26.6607, 35.4765



23.7200, 17.0891, 11.0657



8.6638, 8.5722, 9.7280



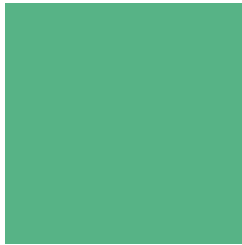
14.4014, 7.2781, 7.2736



0.4826, 0.2408, 0.3842

Previews

White Background



This preview shows how the XYZ color 24.3537, 35.9877, 28.2170 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 24.3537, 35.9877, 28.2170 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

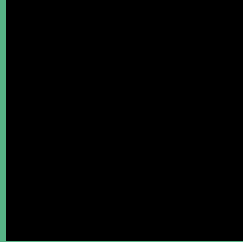
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 24.3537, 35.9877, 28.2170

Background



This preview shows how black text looks on a background with the XYZ color 24.3537, 35.9877, 28.2170.



This preview shows how white text looks on a background with the XYZ color 24.3537, 35.9877,

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

24.3537, 35.9877, 28.2170

Protanopia

33.0671, 35.2802, 24.4690

Deuteranopia

36.1487, 35.4971, 29.3725



Tritanopia

28.9823, 35.8169, 51.8402

Trichromacy



Original Color

24.3537, 35.9877, 28.2170



Protanomaly

28.5302, 34.7714, 25.6299



Deuteranomaly

30.1852, 34.7466, 28.7827



Tritanomaly

27.1289, 35.9368, 42.0659

Monochromacy



Original Color

24.3537, 35.9877, 28.2170



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.5668, 30.7667, 30.1822

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3537, 35.9877, 28.2170 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(87, 179, 134)` looks like.

```
.text, #text, p{  
    color:rgb(87, 179, 134)  
}
```

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(87, 179, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 179, 134) }
```

Border

The CSS property to change the border of an element to XYZ 24.3537, 35.9877, 28.2170 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(87, 179, 134) }
```


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

```
.border{ border-color:rgb(87, 179, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 179, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 179, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 179, 134);  
box-shadow:4px 4px 4px 4px rgb(87, 179,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3537, 35.9877, 28.2170 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 179, 134) }
```

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

```
.background{ background-color: rgb(87, 179,  
134) }
```

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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