

Converting Colors

XYZ(25.8142, 35.5462, 42.0618)

Have a look what the booklet for
XYZ(25.8142, 35.5462, 42.0618)
contains.

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Color

**XYZ(25.8087, 35.5462,
42.0601)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 50B0A7 |
| RGB | 80, 176, 167 |
| RGB Percent | 31%, 69%, 65% |
| CMY | 0.6863, 0.3098, 0.3451 |
| CMYK | 0.55, 0.00, 0.05, 0.31 |
| HSL | 174°, 38%, 50% |
| HSV | 174°, 55%, 69% |
| XYZ | 25.8087, 35.5462, 42.0601 |
| YIQ | 146.2700, -54.3270, -23.1510 |

Conversions

Conversions Part 2

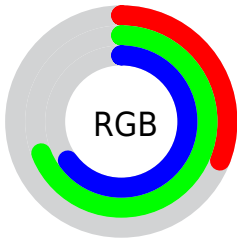
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 80, 130, 176 |
| Decimal | 5288103 |
| CIELab | 66.17, -30.41, -3.98 |
| CIELCh | 66, 30.671, 187.460 |
| Yxy | 35.5462, 0.2496, 0.3437 |
| Android (android.graphics.Color) | 4283478183 (0xFF50B0A7) |
| YUV | 146.2700, 10.2199, -58.1188 |
| Hunter-Lab | 59.6206, -27.0667, -0.0924 |

Details

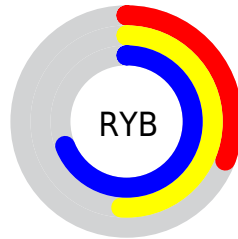
The XYZ color **25.8087, 35.5462, 42.0601** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **22.5776, 15.6898, 11.2910**, and the grayscale version is **27.4087, 28.8361, 31.4025**.

A 20% lighter version of the original color is **52.3580, 68.3055, 79.5320**, and **10.2025, 15.4166, 18.6576** is the 20% darker color. If you saturate the color by 10%, you get **24.3615, 34.8185, 41.2017**, and if you desaturate by 10%, it is **27.6491, 36.4781, 42.9486**.

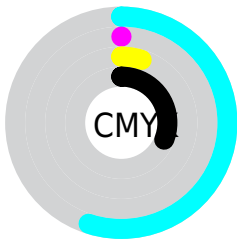
Distribution



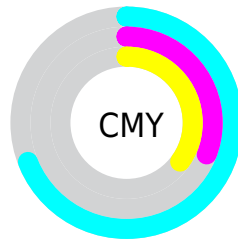
- Red (31%)
- Green (69%)
- Blue (65%)



- Red (31%)
- Yellow (51%)
- Blue (69%)



- Cyan (55%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (69%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.8087, 35.5462, 42.0601 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 25.8087, 35.5462, 42.0601 by changing the saturation by 10% instead.

■ 25.8087, 35.5462,
42.0601

■ 25.8087, 35.5462,
42.0601

274.1157,
326.9727, 370.5390

■ 16.8125, 24.0839,
28.8224

■ 52.3997, 68.3311,
79.5616

■ 10.1954, 15.3959,
18.7021

■ 70.7252, 90.4224,
104.6626

■ 5.5920, 9.0977,
11.2806

■ 92.8911, 116.8256,
134.5551

■ 2.6369, 4.8050,
6.1394

■ 119.2630,
147.9250, 169.6576

■ 0.9648, 2.1333,
2.8598

150.2060,
184.1050, 210.3887

■ 0.0000, 0.6832,
1.0235

186.0855,

■ 0.0000, 0.0000,

225.7501, 257.1670

0.0000

227.2670,
273.2445, 310.4109

■ 25.8087, 35.5462,
42.0601

■ 25.8087, 35.5462,
42.0601

■ 24.3615, 34.8185,
41.2017

■ 27.6491, 36.4781,
42.9486

■ 23.2733, 34.2748,
40.3695

■ 29.9075, 37.6243,
43.8661

■ 22.5094, 33.8981,
39.5625

■ 32.6099, 38.9993,
44.8147

■ 22.0263, 33.6659,
38.7787

■ 35.7797, 40.6149,
45.7953

■ 21.8274, 33.5724,
38.3583

■ 39.4384, 42.4824,
46.8092

■ 43.6063, 44.6122,
47.8573

■ 48.3024, 47.0140,
48.9404

■ 53.5450, 49.6973,
50.0596

■ 59.3511, 52.6709,
51.2155

Harmonies

Analogous

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



26.3101, 35.5462, 29.8457



25.8087, 35.5462, 42.0601



27.2865, 35.5462, 56.0937

Triad

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



25.8087, 35.5462, 42.0601



39.4100, 35.5462, 62.2819



37.2630, 35.5462, 19.8199

Complementary

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



25.8087, 35.5462, 42.0601



22.5776, 15.6898, 11.2910

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.



41.2425, 35.5462, 25.3400



25.8087, 35.5462, 42.0601



42.5579, 35.5462, 49.1610

Square

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



25.8087, 35.5462, 42.0601



34.9381, 35.5462, 69.3607



43.2570, 35.5462, 35.5309



32.6588, 35.5462, 18.7470

Rectangle

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



25.8087, 35.5462, 42.0601



29.2810, 35.5462, 63.9972



43.2570, 35.5462, 35.5309



38.7299, 35.5462, 21.1451

Sweetspot

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



25.8097, 35.5476, 42.0609



63.8294, 73.1184, 82.7415



21.1521, 33.7850, 12.9966



13.5752, 15.7146, 17.8538



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



25.8097, 35.5476, 42.0609



43.8253, 62.9681, 74.4797



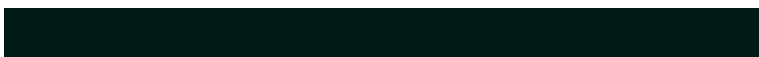
20.1771, 22.9038, 44.4333



8.7076, 9.6175, 10.7199



16.0261, 24.6364, 28.2042



0.5142, 0.7791, 0.9396

Inverse Universe

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



22.5776, 15.6898, 11.2910



37.3999, 23.3392, 13.1972



25.8794, 22.8619, 10.6391



8.5277, 8.5178, 9.0111



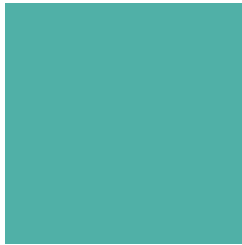
13.2185, 6.8050, 1.0447



0.4264, 0.2183, 0.0883

Previews

White Background



This preview shows how the XYZ color 25.8087, 35.5462, 42.0601 looks on a white background.

Color Contrast Check

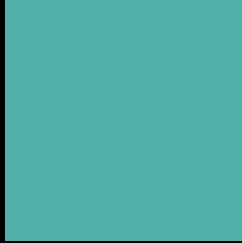
Large Text (above 18pt) WCAG AA × Fail

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 25.8087, 35.5462, 42.0601 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

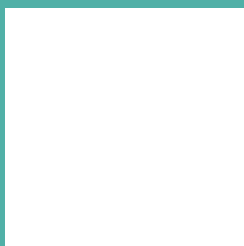
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 25.8087, 35.5462, 42.0601

Background



This preview shows how black text looks on a background with the XYZ color 25.8087, 35.5462, 42.0601.

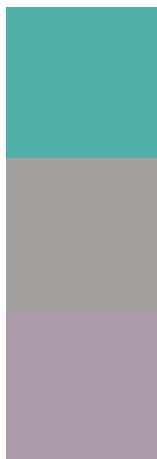


This preview shows how white text looks on a background with the XYZ color 25.8087, 35.5462,

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

25.8087, 35.5462, 42.0601

Protanopia

33.5882, 35.0171, 36.8870

Deuteranopia

35.6496, 34.9290, 43.3911



Tritanopia

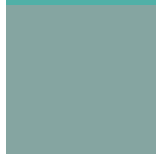
27.8437, 35.5012, 52.3986

Trichromacy



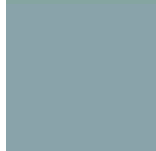
Original Color

25.8087, 35.5462, 42.0601



Protanomaly

29.5610, 34.4700, 38.8136



Deuteranomaly

30.6694, 34.4150, 43.0565



Tritanomaly

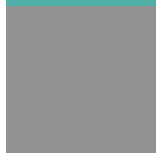
27.0304, 35.4522, 48.5983

Monochromacy



Original Color

25.8087, 35.5462, 42.0601



Achromatopsia

27.3213, 28.7441, 31.3023



Achromatomaly

25.9157, 30.5846, 35.1094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.8087, 35.5462, 42.0601 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(80, 176, 167)` looks like.

```
.text, #text, p{  
    color:rgb(80, 176, 167)  
}
```

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(80, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(80, 176, 167) }
```

Border

The CSS property to change the border of an element to XYZ 25.8087, 35.5462, 42.0601 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(80, 176, 167) }
```


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

```
.border{ border-color:rgb(80, 176, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(80, 176, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(80, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(80, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(80, 176,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 25.8087, 35.5462, 42.0601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(80, 176, 167) }
```

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

```
.background{ background-color: rgb(80, 176,  
167) }
```

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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