

Converting Colors

XYZ(25.8880, 35.8016, 25.1359)

Have a look what the booklet for
XYZ(25.8880, 35.8016, 25.1359)
contains.

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Color

**XYZ(25.7780, 35.6110,
25.2536)**

Conversions

Conversions Part 1

Format	Color
Hex	70AF7E
RGB	112, 175, 126
RGB Percent	44%, 69%, 49%
CMY	0.5608, 0.3137, 0.5059
CMYK	0.36, 0.00, 0.28, 0.31
HSL	133°, 28%, 56%
HSV	133°, 36%, 69%
XYZ	25.7780, 35.6110, 25.2536
YIQ	150.5770, -21.8190, -28.5950

Conversions

Conversions Part 2

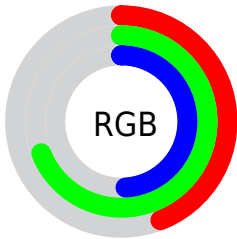
Format	Color
RYB	112, 164, 175
Decimal	7384958
CIELab	66.22, -30.76, 18.88
CIELCh	66, 36.088, 148.454
Yxy	35.6110, 0.2975, 0.4110
Android (android.graphics.Color)	4285575038 (0xFF70AF7E)
YUV	150.5770, -12.1165, -33.8320
Hunter-Lab	59.6750, -27.3239, 16.6818

Details

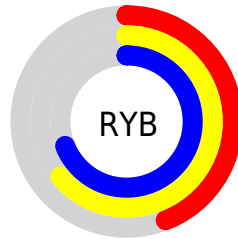
The XYZ color **25.7780, 35.6110, 25.2536** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **29.9076, 23.2764, 36.6364**, and the grayscale version is **29.2923, 30.8177, 33.5605**.

A 20% lighter version of the original color is **52.4385, 68.5135, 53.1085**, and **10.1626, 15.4155, 9.4611** is the 20% darker color. If you saturate the color by 10%, you get **22.9447, 34.2461, 20.8442**, and if you desaturate by 10%, it is **29.1655, 37.2498, 30.3144**.

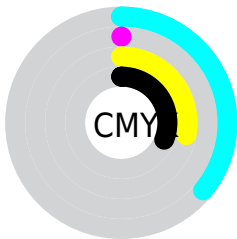
Distribution



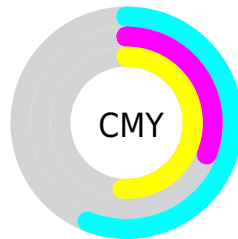
- Red (44%)
- Green (69%)
- Blue (49%)



- Red (44%)
- Yellow (64%)
- Blue (69%)



- Cyan (36%)
- Magenta (0%)
- Yellow (28%)
- Black (31%)



- Cyan (56%)
- Magenta (31%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.7780, 35.6110, 25.2536 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 25.7780, 35.6110, 25.2536 by changing the saturation by 10% instead.

■ 25.7780, 35.6110,
25.2536

■ 25.7780, 35.6110,
25.2536

273.9673,
327.2571, 292.5865

■ 16.7894, 24.1339,
16.0454

■ 52.3504, 68.4312,
53.0376

■ 10.1789, 15.4330,
9.4016

■ 70.6650, 90.5432,
72.4503

■ 5.5809, 9.1238,
4.9036

■ 92.8190, 116.9688,
96.1017

■ 2.6302, 4.8220,
2.1331

■ 119.1778,
148.0926, 124.4103

■ 0.9614, 2.1432,
0.6354

150.1066,
184.2990, 157.7945

■ 0.0000, 0.6888,
0.0000

185.9709,

■ 0.0000, 0.0000,

225.9722, 196.6729

0.0000

227.1360,
273.4968, 241.4641

■ 25.7780, 35.6110,
25.2536

■ 25.7780, 35.6110,
25.2536

■ 22.9447, 34.2461,
20.8442

■ 29.1655, 37.2498,
30.3144

■ 20.6328, 33.1357,
17.0573

■ 33.1320, 39.1718,
36.0490

■ 18.8104, 32.2649,
13.8655


■ 37.7044, 41.3913,
42.4819

■ 17.4407, 31.6156,
11.2383


■ 42.9067, 43.9203,
49.6356


■ 16.4816, 31.1665,
9.1426

■ 48.7619, 46.7700,
57.5313


 15.8791, 30.8907,
7.5414

 55.2917, 49.9514,
66.1898

 15.6950, 30.8070,
7.0289

 62.5169, 53.4746,
75.6306

 70.4572, 57.3495,
85.8730

 73.5924, 58.7299,
96.6759

Harmonies

Analogous

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



29.1559, 35.6110, 18.1317



25.7780, 35.6110, 25.2536



24.5276, 35.6110, 37.9810

Triad

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



25.7780, 35.6110, 25.2536



33.5690, 35.6110, 76.5476



43.7760, 35.6110, 26.3075

Complementary

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



25.7780, 35.6110, 25.2536



29.9076, 23.2764, 36.6364

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.



45.2710, 35.6110, 39.5786



25.7780, 35.6110, 25.2536



39.0165, 35.6110, 71.0711

Square

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



25.7780, 35.6110, 25.2536



28.7207, 35.6110, 69.8814



43.4457, 35.6110, 56.4218



39.5500, 35.6110, 18.6172

Rectangle

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



25.7780, 35.6110, 25.2536



24.9560, 35.6110, 48.9236



43.4457, 35.6110, 56.4218



44.6331, 35.6110, 30.1357

Sweetspot

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



25.7789, 35.6125, 25.2544



63.1364, 71.9965, 69.9427



33.0245, 39.4449, 21.2028



13.7949, 15.8865, 15.2101



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.



25.7789, 35.6125, 25.2544



42.1534, 61.8422, 39.0131



28.1118, 36.5456, 37.5391



7.9747, 8.9674, 8.8916



11.2589, 22.0688, 5.1371



0.3333, 0.6220, 0.2489

Inverse Universe

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



29.9076, 23.2764, 36.6364



50.6122, 36.5393, 62.3105



27.4937, 22.3108, 23.9245



8.2597, 8.1171, 9.6786



15.8726, 7.8116, 17.5064



0.4602, 0.2248, 0.5850

Previews

White Background



This preview shows how the XYZ color 25.7780, 35.6110, 25.2536 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 25.7780, 35.6110, 25.2536 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 25.7780, 35.6110, 25.2536

Background



This preview shows how black text looks on a background with the XYZ color 25.7780, 35.6110, 25.2536.



This preview shows how white text looks on a background with the XYZ color 25.7780, 35.6110,

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

25.7780, 35.6110, 25.2536

Protanopia

32.9138, 35.2442, 22.5208

Deuteranopia

35.9020, 35.1890, 26.3726



Tritanopia

30.5115, 35.5524, 48.9702

Trichromacy



Original Color

25.7780, 35.6110, 25.2536

Protanomaly

29.5457, 34.7994, 23.5721

Deuteranomaly

31.1809, 34.7966, 25.8419

Tritanomaly

28.6037, 35.6210, 39.0862

Monochromacy



Original Color

25.7780, 35.6110, 25.2536

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

27.7698, 32.4130, 30.3839

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7780, 35.6110, 25.2536 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(112, 175, 126)` looks like.

```
.text, #text, p{  
    color:rgb(112, 175, 126)  
}
```

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(112, 175, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 175, 126) }
```

Border

The CSS property to change the border of an element to XYZ 25.7780, 35.6110, 25.2536 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(112, 175, 126) }
```


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

```
.border{ border-color:rgb(112, 175, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 175, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 175, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 175, 126);  
box-shadow:4px 4px 4px 4px rgb(112, 175,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7780, 35.6110, 25.2536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 175, 126) }
```

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

```
.background{ background-color: rgb(112,  
175, 126) }
```

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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