

Converting Colors

XYZ(25.8805, 36.7548, 21.1182)

Have a look what the booklet for
XYZ(25.8805, 36.7548, 21.1182)
contains.

XYZ(25.7845, 36.5880, 21.0325)	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(25.7845, 36.5880,
21.0325)**

Conversions

Conversions Part 1

Format	Color
Hex	72B270
RGB	114, 178, 112
RGB Percent	45%, 70%, 44%
CMY	0.5529, 0.3019, 0.5608
CMYK	0.36, 0.00, 0.37, 0.30
HSL	118°, 30%, 57%
HSV	118°, 37%, 70%
XYZ	25.7845, 36.5880, 21.0325
YIQ	151.3400, -16.9580, -34.0940

Conversions

Conversions Part 2

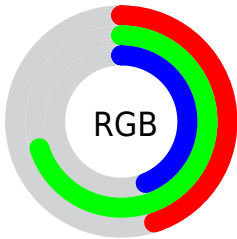
Format	Color
RYB	112, 178, 176
Decimal	7516784
CIELab	66.97, -33.94, 27.43
CIElCh	67, 43.640, 141.052
Yxy	36.5880, 0.3091, 0.4387
Android (android.graphics.Color)	4285706864 (0xFF72B270)
YUV	151.3400, -19.3946, -32.7472
Hunter-Lab	60.4880, -29.7640, 21.7257

Details

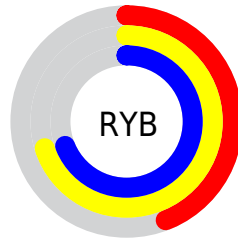
The XYZ color **25.7845, 36.5880, 21.0325** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **31.7361, 24.0339, 45.0876**, and the grayscale version is **29.6477, 31.1917, 33.9677**.

A 20% lighter version of the original color is **52.2721, 69.8508, 45.8495**, and **10.2174, 16.0502, 7.2621** is the 20% darker color. If you saturate the color by 10%, you get **22.8526, 35.1811, 16.2234**, and if you desaturate by 10%, it is **29.3379, 38.2948, 26.8950**.

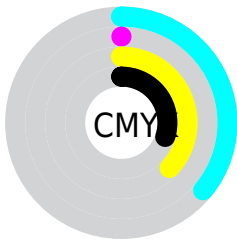
Distribution



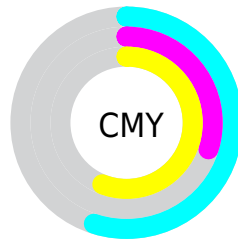
- Red (45%)
- Green (70%)
- Blue (44%)



- Red (44%)
- Yellow (70%)
- Blue (69%)



- Cyan (36%)
- Magenta (0%)
- Yellow (37%)
- Black (30%)





- Cyan (55%)
- Magenta (30%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 25.7845, 36.5880, 21.0325 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 25.7845, 36.5880, 21.0325 by changing the saturation by 10% instead.


 25.7845, 36.5880,
21.0325


 25.7845, 36.5880,
21.0325


273.9987,
331.5233, 270.2379


 16.7943, 24.8887,
12.9563


 52.3609, 69.9387,
46.0231


 10.1824, 15.9941,
7.2681


 70.6778, 92.3588,
63.7746

 5.5832, 9.5200,
3.5493


 92.8343, 119.1213,
85.5882

 2.6316, 5.0819,
1.3815

 119.1958,
150.6106, 111.8826

 0.9621, 2.2954,
0.1272

150.1277,
187.2110, 143.0762

 0.0000, 0.7713,
0.0000

185.9952,

 0.0000, 0.0000,

229.3070, 179.5876

0.0000

227.1638,
277.2830, 221.8353

■ 25.7845, 36.5880,
21.0325

■ 25.7845, 36.5880,
21.0325

■ 22.8526, 35.1811,
16.2234

■ 29.3379, 38.2948,
26.8950

■ 20.5040, 34.0524,
12.4030

■ 33.5427, 40.3126,
33.8656

■ 18.7005, 33.1850,
9.5034


■ 38.4302, 42.6572,
41.9982


■ 17.3981, 32.5578,
7.4469


■ 44.0289, 45.3424,
51.3423


■ 16.5463, 32.1466,
6.1435


■ 50.3657, 48.3811,
61.9446


 16.0802, 31.9209,
5.4632

 57.4660, 51.7853,
73.8495

 15.9886, 31.8769,
5.3102

 65.3541, 55.5666,
87.0991

 74.0531, 59.7362,
101.7334

 75.2111, 60.3221,
102.2870

Harmonies

Analogous

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



30.4001, 36.5880, 14.5792



25.7845, 36.5880, 21.0325



23.6546, 36.5880, 34.4317

Triad

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



25.7845, 36.5880, 21.0325



32.8329, 36.5880, 87.8004



48.0618, 36.5880, 28.1237

Complementary

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



25.7845, 36.5880, 21.0325



31.7361, 24.0339, 45.0876

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.



48.9290, 36.5880, 45.7827



25.7845, 36.5880, 21.0325



39.5524, 36.5880, 84.4735

Square

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



25.7845, 36.5880, 21.0325



27.3709, 36.5880, 75.4546



45.6465, 36.5880, 67.4349



43.4085, 36.5880, 17.6775

Rectangle

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



25.7845, 36.5880, 21.0325



23.7175, 36.5880, 47.2443



45.6465, 36.5880, 67.4349



48.8272, 36.5880, 33.2494

Sweetspot

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



25.7854, 36.5895, 21.0333



65.8905, 75.5315, 69.8334



36.7724, 41.6089, 21.4231



14.3349, 16.6078, 15.0337



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.



25.7854, 36.5895, 21.0333



42.5758, 64.3416, 31.2760



27.5464, 37.2642, 31.6492



8.4120, 9.5019, 9.0432



11.4492, 22.8124, 3.7998



0.3681, 0.7218, 0.1199

Inverse Universe

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



31.7361, 24.0339, 45.0876



54.8478, 38.4315, 80.9084



29.4377, 23.1672, 30.6075



8.8241, 8.6333, 10.7077



18.0287, 8.6299, 30.8525



0.5751, 0.2756, 0.9711

Previews

White Background



This preview shows how the XYZ color 25.7845, 36.5880, 21.0325 looks on a white background.

Color Contrast Check

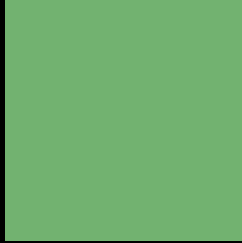
Large Text (above 18pt) WCAG AA × Fail

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 25.7845, 36.5880, 21.0325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

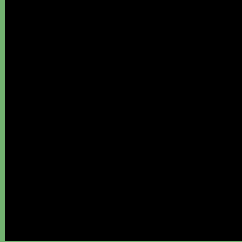
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 25.7845, 36.5880, 21.0325

Background



This preview shows how black text looks on a background with the XYZ color 25.7845, 36.5880, 21.0325.



This preview shows how white text looks on a background with the XYZ color 25.7845, 36.5880,

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

25.7845, 36.5880, 21.0325

Protanopia

33.4263, 36.1114, 18.8441

Deuteranopia

36.6705, 35.9335, 21.8327



Tritanopia

31.4876, 36.3069, 50.1481

Trichromacy



Original Color

25.7845, 36.5880, 21.0325

Protanomaly

29.8463, 35.8603, 19.5360

Deuteranomaly

31.5015, 35.3247, 21.3777

Tritanomaly

28.8644, 36.0769, 37.3405

Monochromacy



Original Color

25.7845, 36.5880, 21.0325

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

27.7415, 32.6992, 28.5163

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.7845, 36.5880, 21.0325 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(114, 178, 112)` looks like.

```
.text, #text, p{  
    color:rgb(114, 178, 112)  
}
```

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(114, 178, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 178, 112) }
```

Border

The CSS property to change the border of an element to XYZ 25.7845, 36.5880, 21.0325 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(114, 178, 112) }
```


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

```
.border{ border-color:rgb(114, 178, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 178, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 178, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 178, 112);  
box-shadow:4px 4px 4px 4px rgb(114, 178,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 25.7845, 36.5880, 21.0325 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 178, 112) }
```

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

```
.background{ background-color: rgb(114,  
178, 112) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor