

Converting Colors

XYZ(18.5045, 20.1259, 25.0997)

Have a look what the booklet for
XYZ(18.5045, 20.1259, 25.0997)
contains.

XYZ(18.5045, 20.1259, 25.0997)	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(18.5045, 20.1259,
25.0997)**

Conversions

Conversions Part 1

Format	Color
Hex	717E85
RGB	113, 126, 133
RGB Percent	44%, 49%, 52%
CMY	0.5569, 0.5059, 0.4784
CMYK	0.15, 0.05, 0.00, 0.48
HSL	201°, 8%, 48%
HSV	201°, 15%, 52%
XYZ	18.5045, 20.1259, 25.0997
YIQ	122.9110, -9.9950, -0.5790

Conversions

Conversions Part 2

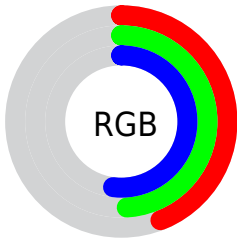
Format	Color
R_{YB}	113, 121, 133
Decimal	7437957
CIE _{Lab}	51.98, -3.22, -5.43
CIE _{LCh}	52, 6.311, 239.276
Yxy	20.1259, 0.2904, 0.3158
Android (android.graphics.Color)	4285628037 (0xFF717E85)
YUV	122.9110, 4.9739, -8.6919
Hunter-Lab	44.8619, -4.8812, -1.7687

Details

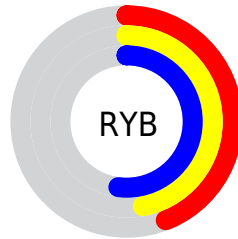
The XYZ color **18.5045, 20.1259, 25.0997** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.3700, 19.6115, 18.3875**, and the grayscale version is **18.7844, 19.7626, 21.5215**.

A 20% lighter version of the original color is **40.5001, 43.7847, 52.7711**, and **6.4341, 7.0717, 9.4134** is the 20% darker color. If you saturate the color by 10%, you get **16.3361, 18.1456, 24.8321**, and if you desaturate by 10%, it is **20.9526, 22.2925, 25.3892**.

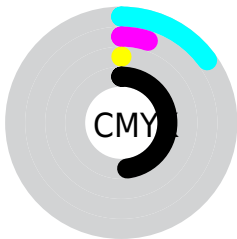
Distribution



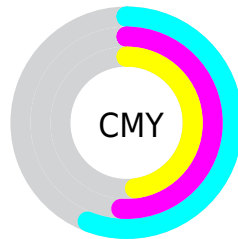
- Red (44%)
- Green (49%)
- Blue (52%)



- Red (44%)
- Yellow (47%)
- Blue (52%)



- Cyan (15%)
- Magenta (5%)
- Yellow (0%)
- Black (48%)



- Cyan (56%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.5045, 20.1259, 25.0997 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 18.5045, 20.1259, 25.0997 by changing the saturation by 10% instead.

■ 18.5045, 20.1259,
25.0997

■ 18.5045, 20.1259,
25.0997

236.6905,
252.5959, 291.7976

■ 11.4147, 12.4866,
15.9317

■ 40.4185, 43.6282,
52.7850

■ 6.4158, 7.0760,
9.3220

■ 55.9734, 60.2599,
72.1394

■ 3.1426, 3.5097,
4.8521

■ 75.0807, 80.6579,
95.7263

■ 1.2296, 1.4032,
2.1035

■ 98.1057, 105.2066,
123.9643

■ 0.1296, 0.2191,
0.6179

125.4138,
134.2904, 157.2719

■ 0.0000, 0.0000,
0.0000

157.3704,

168.2935, 196.0676

194.3409,
207.6006, 240.7700

■ 18.5045, 20.1259,
25.0997

■ 18.5045, 20.1259,
25.0997

■ 16.3361, 18.1456,
24.8321

■ 20.9526, 22.2925,
25.3892

■ 14.4344, 16.3428,
24.5843

■ 23.6891, 24.6489,
25.6998

■ 12.7878, 14.7116,
24.3563

■ 26.7247, 27.2017,
26.0325

■ 11.3835, 13.2446,
24.1471

■ 30.0688, 29.9562,
26.3880

■ 10.2071, 11.9340,
23.9561

■ 33.7305, 32.9177,
26.7666

■ 9.2427, 10.7708,
23.7825

■ 37.7185, 36.0910,
27.1689

■ 8.4722, 9.7453,
23.6251

■ 42.0411, 39.4811,
27.5954

■ 7.8700, 8.8434,
23.4828

■ 46.7063, 43.0925,
28.0466

■ 7.5988, 8.4237,
23.4161

■ 51.7220, 46.9297,
28.5229

Harmonies

Analogous

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



18.0710, 20.1259, 23.6907



18.5045, 20.1259, 25.0997



19.1134, 20.1259, 25.6473

Triad

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



18.5045, 20.1259, 25.0997



20.3918, 20.1259, 21.9585



18.5310, 20.1259, 18.9687

Complementary

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



18.5045, 20.1259, 25.0997



19.3700, 19.6115, 18.3875

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.



19.1447, 20.1259, 18.5613



18.5045, 20.1259, 25.0997



20.2276, 20.1259, 20.2278

Square

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



18.5045, 20.1259, 25.0997



20.2114, 20.1259, 23.7724



19.7675, 20.1259, 19.0094



18.0861, 20.1259, 20.1544

Rectangle

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



18.5045, 20.1259, 25.0997



19.5400, 20.1259, 25.4278



19.7675, 20.1259, 19.0094



18.7239, 20.1259, 18.7392

Sweetspot

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



18.5051, 20.1267, 25.1002



37.4861, 39.8901, 45.4622



18.5678, 21.6341, 20.8608



8.3833, 8.9327, 10.2350



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



18.5051, 20.1267, 25.1002



31.7741, 34.8099, 44.7827



17.3278, 17.7722, 24.7077



4.6681, 5.0119, 5.9221



7.2456, 8.0390, 22.3065



0.0320, 0.0416, 0.0796

Inverse Universe

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



19.3443, 18.3035, 22.2531



33.5875, 30.9576, 38.6114



20.5922, 22.0558, 18.7949



4.7905, 4.7359, 5.5092



10.8353, 5.3985, 8.9712



0.0410, 0.0201, 0.0493

Previews

White Background



This preview shows how the XYZ color 18.5045, 20.1259, 25.0997 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5045, 20.1259, 25.0997 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 × Fail

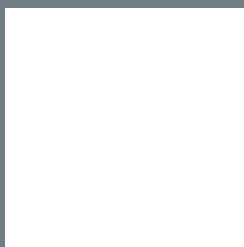
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.5045, 20.1259, 25.0997

Background



This preview shows how black text looks on a background with the XYZ color 18.5045, 20.1259, 25.0997.



This preview shows how white text looks on a background with the XYZ color 18.5045, 20.1259,

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

18.5045, 20.1259, 25.0997

Protanopia

19.4919, 20.0897, 24.3231

Deuteranopia

20.3796, 19.9795, 25.3366



Tritanopia

18.7148, 20.2100, 26.2071

Trichromacy



Original Color

18.5045, 20.1259, 25.0997

Protanomaly

19.1182, 20.0743, 24.6969

Deuteranomaly

19.5748, 19.9254, 25.3685

Tritanomaly

18.6441, 20.1817, 25.8345

Monochromacy



Original Color

18.5045, 20.1259, 25.0997

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

18.6462, 19.8695, 22.9311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5045, 20.1259, 25.0997 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(113, 126, 133)` looks like.

```
.text, #text, p{  
    color:rgb(113, 126, 133)  
}
```

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(113, 126, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 126, 133) }
```

Border

The CSS property to change the border of an element to XYZ 18.5045, 20.1259, 25.0997 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(113, 126, 133) }
```


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

```
.border{ border-color:rgb(113, 126, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 126, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 126, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 126, 133);  
box-shadow:4px 4px 4px 4px rgb(113, 126,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5045, 20.1259, 25.0997 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 126, 133) }
```

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

```
.background{ background-color: rgb(113,  
126, 133) }
```

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