

Converting Colors

XYZ(13.8518, 16.6223, 24.6687)

Have a look what the booklet for
XYZ(13.8518, 16.6223, 24.6687)
contains.

XYZ(13.8518, 16.6223, 24.6687)	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(13.8518, 16.6223,
24.6687)**

Conversions

Conversions Part 1

Format	Color
Hex	4B7885
RGB	75, 120, 133
RGB Percent	29%, 47%, 52%
CMY	0.7059, 0.5294, 0.4784
CMYK	0.44, 0.10, 0.00, 0.48
HSL	193°, 28%, 41%
HSV	193°, 44%, 52%
XYZ	13.8518, 16.6223, 24.6687
YIQ	108.0270, -30.9930, -5.4970

Conversions

Conversions Part 2

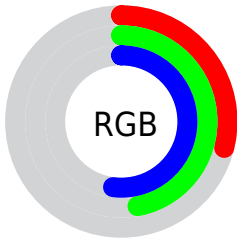
Format	Color
R_{YB}	75, 100, 133
Decimal	4946053
CIE _{Lab}	47.78, -11.79, -11.96
CIE _{LCh}	48, 16.795, 225.399
Yxy	16.6223, 0.2512, 0.3014
Android (android.graphics.Color)	4283136133 (0xFF4B7885)
YUV	108.0270, 12.3117, -28.9647
Hunter-Lab	40.7705, -10.7028, -7.3349

Details

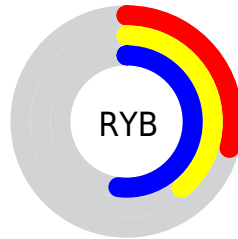
The XYZ color **13.8518, 16.6223, 24.6687** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **14.4329, 12.4743, 8.3042**, and the grayscale version is **14.2347, 14.9760, 16.3089**.

A 20% lighter version of the original color is **32.3678, 37.5622, 51.9986**, and **4.1679, 5.3132, 8.9895** is the 20% darker color. If you saturate the color by 10%, you get **12.5655, 15.4356, 24.5077**, and if you desaturate by 10%, it is **15.3678, 17.9447, 24.8443**.

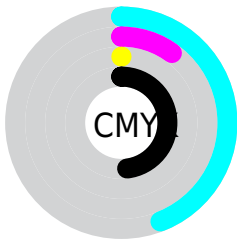
Distribution



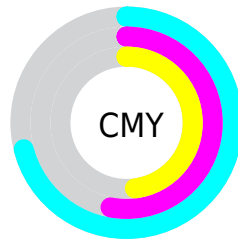
- Red (29%)
- Green (47%)
- Blue (52%)



- Red (29%)
- Yellow (39%)
- Blue (52%)



- Cyan (44%)
- Magenta (10%)
- Yellow (0%)
- Black (48%)



- Cyan (71%)
- Magenta (53%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.8518, 16.6223, 24.6687 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 13.8518, 16.6223, 24.6687 by changing the saturation by 10% instead.

■ 13.8518, 16.6223,
24.6687

■ 13.8518, 16.6223,
24.6687

209.8360,
232.9863, 289.5787

■ 8.0987, 9.9656,
15.6136

■ 32.4143, 37.6752,
52.0767

■ 4.2105, 5.3761,
9.0998

■ 45.9544, 52.8402,
71.2667

■ 1.8219, 2.4696,
4.7086

■ 62.8208, 71.6101,
94.6721

■ 0.5308, 0.8614,
2.0216

■ 83.3790, 94.3692,
122.7114

■ 0.0000, 0.0000,
0.5685

■ 107.9943,
121.5020, 155.8031

■ 0.0000, 0.0000,
0.0000

137.0320,

153.3928, 194.3659

170.8574,
190.4262, 238.8183

■ 13.8518, 16.6223,
24.6687

■ 13.8518, 16.6223,
24.6687

■ 12.5655, 15.4356,
24.5077

■ 15.3678, 17.9447,
24.8443

■ 11.4936, 14.3755,
24.3596

■ 17.1245, 19.4076,
25.0341

■ 10.6213, 13.4345,
24.2240

■ 19.1342, 21.0177,
25.2390

■ 9.9311, 12.6036,
24.0999

■ 21.4076, 22.7808,
25.4595

■ 9.4017, 11.8715,
23.9865

■ 23.9549, 24.7023,
25.6961

■ 9.1031, 11.4323,
23.9175

■ 26.7859, 26.7872,
25.9493

■ 29.9096, 29.0405,
26.2196

■ 33.3349, 31.4669,
26.5074

■ 37.0701, 34.0707,
26.8131

Harmonies

Analogous

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



13.1686, 16.6223, 20.3914



13.8518, 16.6223, 24.6687



15.0802, 16.6223, 27.3682

Triad

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



13.8518, 16.6223, 24.6687



18.7700, 16.6223, 20.2709



15.0425, 16.6223, 11.2233

Complementary

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



13.8518, 16.6223, 24.6687



14.4329, 12.4743, 8.3042

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.



16.5402, 16.6223, 11.2016



13.8518, 16.6223, 24.6687



18.7583, 16.6223, 15.9849

Square

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



13.8518, 16.6223, 24.6687



17.9517, 16.6223, 24.5685



17.9206, 16.6223, 12.8132



13.8257, 16.6223, 12.8781

Rectangle

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



13.8518, 16.6223, 24.6687



16.0730, 16.6223, 27.6737



17.9206, 16.6223, 12.8132



15.5281, 16.6223, 11.0347

Sweetspot

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



13.8523, 16.6229, 24.6691



34.3847, 37.7323, 45.2092



13.0332, 18.9687, 12.1136



7.5814, 8.3703, 10.1687



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.



13.8523, 16.6229, 24.6691



22.5920, 27.7274, 43.8996



10.9140, 10.7463, 23.6897



4.7155, 5.1066, 5.9379



8.6769, 10.9016, 22.7836



0.0354, 0.0485, 0.0807

Inverse Universe

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



15.5796, 11.3753, 19.1445



26.1988, 17.4582, 32.2089



17.2542, 18.1168, 9.2446



4.8144, 4.7455, 5.6351



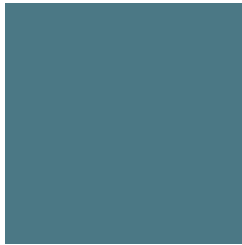
11.5578, 5.6875, 12.7757



0.0428, 0.0208, 0.0586

Previews

White Background



This preview shows how the XYZ color 13.8518, 16.6223, 24.6687 looks on a white background.

Color Contrast Check

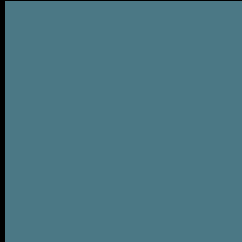
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 13.8518, 16.6223, 24.6687 looks on a black 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

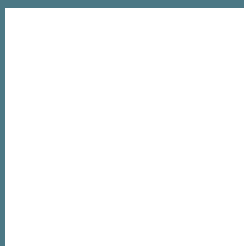
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 13.8518, 16.6223, 24.6687

Background



This preview shows how black text looks on a background with the XYZ color 13.8518, 16.6223, 24.6687.



This preview shows how white text looks on a background with the XYZ color 13.8518, 16.6223,

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

13.8518, 16.6223, 24.6687

Protanopia

16.1209, 16.4619, 22.7499

Deuteranopia

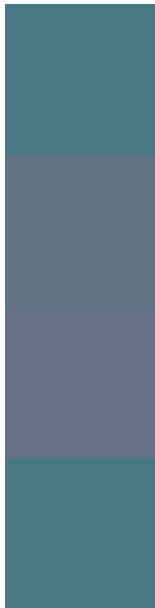
16.7592, 16.4118, 25.2062



Tritanopia

13.5698, 16.5005, 23.5888

Trichromacy



Original Color

13.8518, 16.6223, 24.6687

Protanomaly

15.0898, 16.4146, 23.4921

Deuteranomaly

15.4660, 16.4085, 24.9063

Tritanomaly

13.6372, 16.5275, 23.9441

Monochromacy



Original Color

13.8518, 16.6223, 24.6687

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

13.8289, 15.3595, 19.0654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.8518, 16.6223, 24.6687 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(75, 120, 133)` looks like.

```
.text, #text, p{  
    color:rgb(75, 120, 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(75, 120, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 120, 133) }
```

Border

The CSS property to change the border of an element to XYZ 13.8518, 16.6223, 24.6687 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(75, 120, 133) }
```


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

```
.border{ border-color:rgb(75, 120, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 120, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 120, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 120, 133);  
box-shadow:4px 4px 4px 4px rgb(75, 120,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 13.8518, 16.6223, 24.6687 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 120, 133) }
```

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

```
.background{ background-color: rgb(75, 120,  
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](#).

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