

Converting Colors

XYZ(18.6654, 25.1215, 37.5839)

Have a look what the booklet for
XYZ(18.6654, 25.1215, 37.5839)
contains.

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Color

**XYZ(18.6548, 25.0640,
37.5728)**

Conversions

Conversions Part 1

Format	Color
Hex	3296A1
RGB	50, 150, 161
RGB Percent	20%, 59%, 63%
CMY	0.8039, 0.4118, 0.3686
CMYK	0.69, 0.07, 0.00, 0.37
HSL	186°, 53%, 41%
HSV	186°, 69%, 63%
XYZ	18.6548, 25.0640, 37.5728
YIQ	121.3540, -63.1310, -17.7790

Conversions

Conversions Part 2

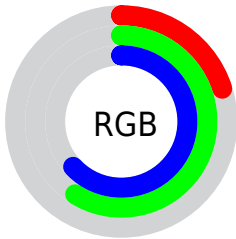
Format	Color
RYB	50, 103, 161
Decimal	3315361
CIELab	57.14, -24.68, -14.18
CIELCh	57, 28.462, 209.887
Yxy	25.0640, 0.2295, 0.3083
Android (android.graphics.Color)	4281505441 (0xFF3296A1)
YUV	121.3540, 19.5455, -62.5775
Hunter-Lab	50.0640, -21.0994, -9.4521

Details

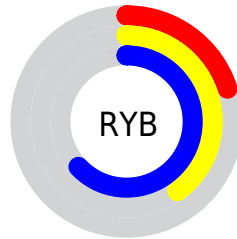
The XYZ color **18.6548, 25.0640, 37.5728** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **16.9431, 11.1457, 4.2769**, and the grayscale version is **18.2429, 19.1929, 20.9011**.

A 20% lighter version of the original color is **40.5431, 51.5231, 72.7739**, and **7.2222, 10.0278, 16.0229** is the 20% darker color. If you saturate the color by 10%, you get **17.7436, 24.2194, 37.4583**, and if you desaturate by 10%, it is **19.8502, 26.0613, 37.7028**.

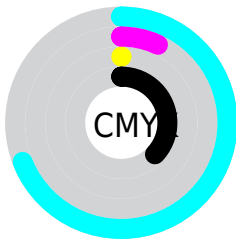
Distribution



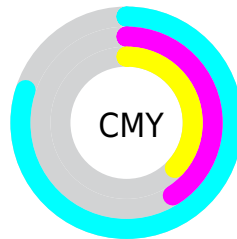
- Red (20%)
- Green (59%)
- Blue (63%)



- Red (20%)
- Yellow (40%)
- Blue (63%)



- Cyan (69%)
- Magenta (7%)
- Yellow (0%)
- Black (37%)



- Cyan (80%)
- Magenta (41%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6548, 25.0640, 37.5728 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 18.6548, 25.0640, 37.5728 by changing the saturation by 10% instead.

■ 18.6548, 25.0640,
37.5728

■ 18.6548, 25.0640,
37.5728

237.5112,
278.1565, 351.0269

■ 11.5236, 16.1247,
25.3520

■ 40.6714, 51.7610,
72.6490

■ 6.4901, 9.6125,
16.1181

■ 56.2875, 70.2876,
96.3416

■ 3.1888, 5.1428,
9.4525

■ 75.4626, 92.7787,
124.6951

■ 1.2544, 2.3313,
4.9367

■ 98.5622, 119.6188,
158.1282

■ 0.1487, 0.7902,
2.1521

■ 125.9514,
151.1922, 197.0594

■ 0.0000, 0.0000,
0.6465

157.9958,

■ 0.0000, 0.0000,

187.8834, 241.9072

0.0000

195.0606,
230.0767, 293.0902

■ 18.6548, 25.0640,
37.5728

■ 18.6548, 25.0640,
37.5728

■ 17.7436, 24.2194,
37.4583

■ 19.8502, 26.0613,
37.7028

■ 17.0834, 23.5088,
37.3559

■ 21.3538, 27.2221,
37.8476

■ 16.6129, 22.9011,
37.2634

■ 23.1896, 28.5594,
38.0089

■ 16.5656, 22.8383,
37.2538

■ 25.3788, 30.0841,
38.1878

■ 27.9406, 31.8060,
38.3852

■ 30.8929, 33.7346,
38.6018

■ 34.2524, 35.8783,
38.8386

■ 38.0350, 38.2454,
39.0961

■ 42.2554, 40.8435,
39.3751

Harmonies

Analogous

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



17.9352, 25.0640, 27.2540



18.6548, 25.0640, 37.5728



20.7298, 25.0640, 46.5997

Triad

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



18.6548, 25.0640, 37.5728



29.8514, 25.0640, 37.6510



23.8353, 25.0640, 12.6685

Complementary

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



18.6548, 25.0640, 37.5728



16.9431, 11.1457, 4.2769

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.



27.2086, 25.0640, 14.2233



18.6548, 25.0640, 37.5728



30.8750, 25.0640, 27.3269

Square

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



18.6548, 25.0640, 37.5728



27.1845, 25.0640, 46.6518



29.8662, 25.0640, 19.0793



20.7499, 25.0640, 14.1997

Rectangle

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



18.6548, 25.0640, 37.5728



22.7075, 25.0640, 49.8241



29.8662, 25.0640, 19.0793



24.9736, 25.0640, 12.8414

Sweetspot

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



18.6556, 25.0649, 37.5734



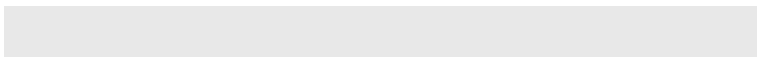
48.8487, 56.1705, 68.6539



14.8569, 26.4868, 8.5022



10.4500, 12.1427, 15.0367



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6556, 25.0649, 37.5734



31.0609, 42.6316, 66.9782



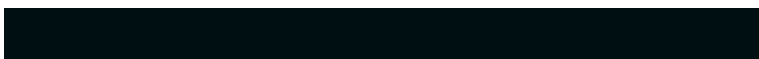
11.9551, 11.6639, 35.3399



7.2159, 7.8907, 9.0458



13.2470, 18.2734, 29.7587



0.2945, 0.4162, 0.6307

Inverse Universe

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



21.3443, 12.0611, 30.0581



36.4436, 18.6058, 51.4827



21.3767, 20.0129, 5.7547



7.3339, 7.1900, 8.7449



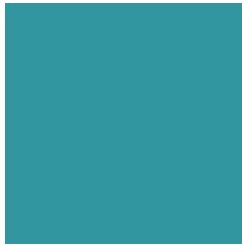
15.8319, 7.6888, 22.1034



0.3408, 0.1648, 0.5072

Previews

White Background



This preview shows how the XYZ color 18.6548, 25.0640, 37.5728 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 18.6548, 25.0640, 37.5728 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

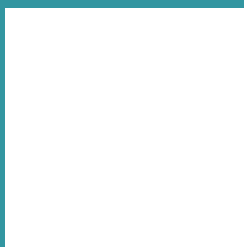
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.6548, 25.0640, 37.5728

Background



This preview shows how black text looks on a background with the XYZ color 18.6548, 25.0640, 37.5728.

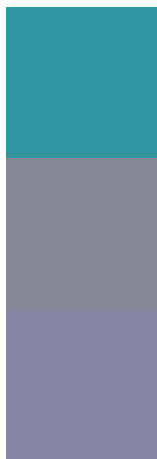


This preview shows how white text looks on a background with the XYZ color 18.6548, 25.0640,

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

18.6548, 25.0640, 37.5728

Protanopia

24.0814, 24.6306, 32.7631

Deuteranopia

25.1707, 24.6426, 39.0272



Tritanopia

18.7932, 25.1251, 38.0416

Trichromacy



Original Color

18.6548, 25.0640, 37.5728

Protanomaly

20.8880, 24.0063, 34.5431

Deuteranomaly

21.6424, 24.0886, 38.6309

Tritanomaly

18.7932, 25.1251, 38.0416

Monochromacy



Original Color

18.6548, 25.0640, 37.5728

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

17.4145, 20.7130, 26.3727

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6548, 25.0640, 37.5728 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(50, 150, 161)` looks like.

```
.text, #text, p{  
    color:rgb(50, 150, 161)  
}
```

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(50, 150, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 150, 161) }
```

Border

The CSS property to change the border of an element to XYZ 18.6548, 25.0640, 37.5728 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(50, 150, 161) }
```


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

```
.border{ border-color:rgb(50, 150, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 150, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 150, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 150, 161);  
box-shadow:4px 4px 4px 4px rgb(50, 150,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6548, 25.0640, 37.5728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 150, 161) }
```

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

```
.background{ background-color: rgb(50, 150,  
161) }
```

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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