

Converting Colors

XYZ(18.4171, 20.1449, 57.3705)

Have a look what the booklet for
XYZ(18.4171, 20.1449, 57.3705)
contains.

XYZ(18.4580, 20.1612, 57.5622)	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(18.4580, 20.1612,
57.5622)**

Conversions

Conversions Part 1

Format	Color
Hex	0482C8
RGB	4, 130, 200
RGB Percent	2%, 51%, 78%
CMY	0.9841, 0.4902, 0.2157
CMYK	0.98, 0.35, 0.00, 0.22
HSL	201°, 96%, 40%
HSV	201°, 98%, 78%
XYZ	18.4580, 20.1612, 57.5622
YIQ	100.3060, -97.5660, -4.9420

Conversions

Conversions Part 2

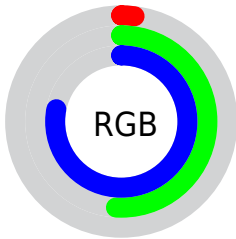
Format	Color
R_{YB}	4, 81, 200
Decimal	295624
CIE _{Lab}	52.02, -3.64, -44.44
CIE _{LCh}	52, 44.592, 265.320
Yxy	20.1612, 0.1919, 0.2096
Android (android.graphics.Color)	4278485704 (0xFF0482C8)
YUV	100.3060, 49.1491, -84.4604
Hunter-Lab	44.9012, -5.1993, -44.5774

Details

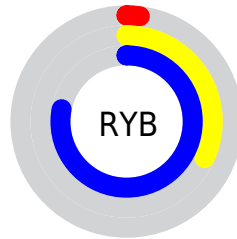
The XYZ color **18.4580, 20.1612, 57.5622** is a dark color, and the websafe version is hex **006699**. The color can be described as dark washed azure. A complement of this color would be **26.2933, 17.1914, 2.0485**, and the grayscale version is **12.0909, 12.7206, 13.8527**.

A 20% lighter version of the original color is **40.0205, 43.6836, 100.9302**, and **8.1307, 7.9602, 28.3021** is the 20% darker color. If you saturate the color by 10%, you get **18.2175, 19.7543, 57.4968**, and if you desaturate by 10%, it is **19.7695, 22.2976, 57.9059**.

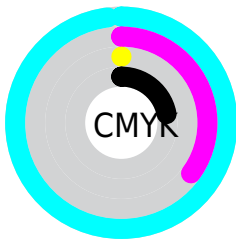
Distribution



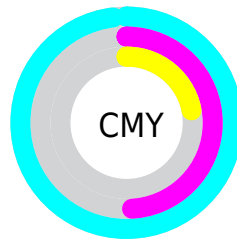
- Red (2%)
- Green (51%)
- Blue (78%)



- Red (2%)
- Yellow (32%)
- Blue (78%)



- Cyan (98%)
- Magenta (35%)
- Yellow (0%)
- Black (22%)



- Cyan (98%)
- Magenta (49%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4580, 20.1612, 57.5622 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 18.4580, 20.1612, 57.5622 by changing the saturation by 10% instead.

■ 18.4580, 20.1612,
57.5622

■ 18.4580, 20.1612,
57.5622

236.4360,
252.7865, 433.1052

■ 11.3810, 12.5123,
41.0444

■ 40.3402, 43.6873,
102.7935

■ 6.3929, 7.0936,
28.0338

■ 55.8761, 60.3332,
132.3441

■ 3.1283, 3.5207,
18.1119

■ 74.9623, 80.7470,
167.0761

■ 1.2220, 1.4092,
10.8601

■ 97.9643, 105.3129,
207.4080

■ 0.1236, 0.2235,
5.8598

■ 125.2472,
134.4154, 253.7583

■ 0.0000, 0.0000,
2.6926

■ 157.1766,

■ 0.0000, 0.0000,

168.4389, 306.5456

0.9397

194.1178,
207.7678, 366.1884

■ 0.0000, 0.0000,
0.0000

■ 18.4580, 20.1612,
57.5622

■ 18.4580, 20.1612,
57.5622

■ 18.2175, 19.7543,
57.4968

■ 19.7695, 22.2976,
57.9059

■ 21.4831, 24.7410,
58.2872

■ 23.6791, 27.5348,
58.7107

■ 26.4111, 30.7085,
59.1793

■ 29.7251, 34.2875,
59.6955

■ 33.6618, 38.2946,
60.2614

■ 38.2580, 42.7505,
60.8792

■ 43.5474, 47.6740,
61.5508

■ 49.5614, 53.0831,
62.2779

Harmonies

Analogous

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



14.6057, 20.1612, 49.6541



18.4580, 20.1612, 57.5622



23.1505, 20.1612, 53.2587

Triad

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



18.4580, 20.1612, 57.5622



28.2026, 20.1612, 12.8900



12.8343, 20.1612, 10.5643

Complementary

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



18.4580, 20.1612, 57.5622



26.2933, 17.1914, 2.0485

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.



15.6612, 20.1612, 6.2054



18.4580, 20.1612, 57.5622



24.5806, 20.1612, 7.1277

Square

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



18.4580, 20.1612, 57.5622



29.2647, 20.1612, 24.0594



19.8849, 20.1612, 5.2580



11.7025, 20.1612, 19.9716

Rectangle

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



18.4580, 20.1612, 57.5622



26.0762, 20.1612, 44.6867



19.8849, 20.1612, 5.2580



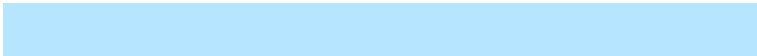
13.5937, 20.1612, 8.6327

Sweetspot

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



18.4588, 20.1618, 57.5627



65.0221, 72.8584, 105.2438



21.8953, 41.8111, 13.1551



13.1654, 14.8700, 22.4263



0.0000, 0.0000, 0.0000



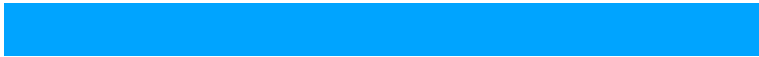
20.3446, 21.4041, 23.3091

Same Dimension

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



18.4588, 20.1618, 57.5627



31.3094, 33.7388, 99.4698



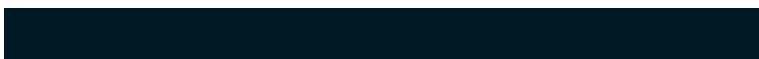
11.0320, 5.3083, 55.0871



10.6157, 11.4055, 13.5595



11.6704, 12.7348, 36.5873



0.6192, 0.7363, 1.7546

Inverse Universe

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



27.8928, 13.9789, 22.3476



47.9327, 23.9371, 37.1734



38.3305, 41.2658, 6.0609



10.9160, 10.7498, 12.5412



17.6900, 8.8256, 14.1095



0.8713, 0.4313, 0.8452

Previews

White Background



This preview shows how the XYZ color 18.4580, 20.1612, 57.5622 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 18.4580, 20.1612, 57.5622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

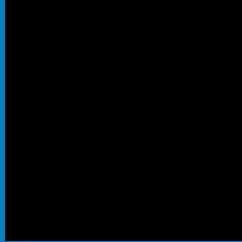
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.4580, 20.1612, 57.5622

Background



This preview shows how black text looks on a background with the XYZ color 18.4580, 20.1612, 57.5622.



This preview shows how white text looks on a background with the XYZ color 18.4580, 20.1612,

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

18.4580, 20.1612, 57.5622

Protanopia

21.2816, 20.0219, 52.6121

Deuteranopia

20.6519, 20.1282, 58.0550



Tritanopia

14.2121, 19.9979, 30.7147

Trichromacy



Original Color

18.4580, 20.1612, 57.5622

Protanomaly

19.1079, 19.4122, 54.3696

Deuteranomaly

19.2701, 19.7917, 58.0629

Tritanomaly

15.4205, 19.8098, 39.0873

Monochromacy



Original Color

18.4580, 20.1612, 57.5622

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.3083, 14.2703, 25.3983

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4580, 20.1612, 57.5622 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(4, 130, 200)` looks like.

```
.text, #text, p{  
    color:rgb(4, 130, 200)  
}
```

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(4, 130, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 130, 200) }
```

Border

The CSS property to change the border of an element to XYZ 18.4580, 20.1612, 57.5622 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(4, 130, 200) }
```


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

```
.border{ border-color:rgb(4, 130, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 130, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 130, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 130, 200);  
box-shadow:4px 4px 4px 4px rgb(4, 130,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4580, 20.1612, 57.5622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 130, 200) }
```

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

```
.background{ background-color: rgb(4, 130,  
200) }
```

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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