

Converting Colors

XYZ(3.0890, 5.6995, 18.6824)

Have a look what the booklet for
XYZ(3.0890, 5.6995, 18.6824)
contains.

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Color

**XYZ(6.4075, 7.3907,
18.8581)**

Conversions

Conversions Part 1

Format	Color
Hex	005278
RGB	0, 82, 120
RGB Percent	0%, 32%, 47%
CMY	0.9999, 0.6784, 0.5294
CMYK	1.00, 0.32, 0.00, 0.53
HSL	199°, 100%, 24%
HSV	199°, 100%, 47%
XYZ	6.4075, 7.3907, 18.8581
YIQ	61.8140, -61.0700, -5.5660

Conversions

Conversions Part 2

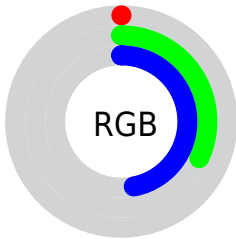
Format	Color
RYB	0, 49, 120
Decimal	21112
CIELab	32.68, -6.33, -27.55
CIElCh	33, 28.270, 257.053
Yxy	7.3907, 0.1962, 0.2263
Android (android.graphics.Color)	4278211192 (0xFF005278)
YUV	61.8140, 28.6857, -54.2109
Hunter-Lab	27.1858, -5.5041, -22.0978

Details

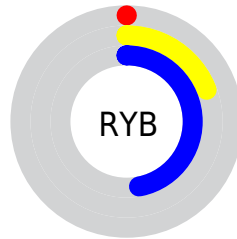
The XYZ color **6.4075, 7.3907, 18.8581** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **8.4395, 5.3804, 0.5942**, and the grayscale version is **4.5191, 4.7544, 5.1776**.

A 20% lighter version of the original color is **18.4832, 20.7056, 42.5576**, and **1.8304, 1.8412, 6.2201** is the 20% darker color. If you saturate the color by 10%, you get **6.4072, 7.3900, 18.8581**, and if you desaturate by 10%, it is **6.8540, 8.0583, 18.9636**.

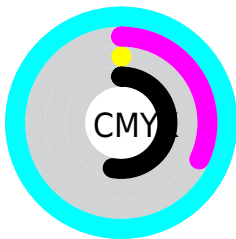
Distribution



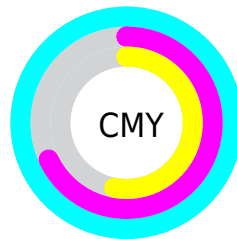
- Red (0%)
- Green (32%)
- Blue (47%)



- Red (0%)
- Yellow (19%)
- Blue (47%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (68%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 6.4075, 7.3907, 18.8581 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 6.4075, 7.3907, 18.8581 by changing the saturation by 10% instead.

6.4075, 7.3907,
18.8581

6.4075, 7.3907,
18.8581

157.3002,
170.8718, 258.0608

3.1374, 3.7076,
11.3920

18.4876, 20.7550,
42.3277

1.2268, 1.5114,
6.2137

28.0284, 31.2050,
59.1683

0.1274, 0.2967,
2.9046

40.3901, 44.6794,
79.9708

0.0000, 0.0000,
1.0461

55.9381, 61.5627,
105.1537

0.0000, 0.0000,
0.0000

75.0378, 82.2391,
135.1356

98.0545, 107.0932,

170.3351

125.3535,
136.5093, 211.1707

6.4075, 7.3907,
18.8581

6.4075, 7.3907,
18.8581

6.4072, 7.3900,
18.8581

6.8540, 8.0583,
18.9636

7.3900, 8.7958,
19.0777

8.0681, 9.6310,
19.2032

8.9034, 10.5718,
19.3407

9.9087, 11.6253,
19.4911

■ 11.0956, 12.7977,
19.6548

■ 12.4744, 14.0947,
19.8325

■ 14.0548, 15.5217,
20.0246

■ 15.8457, 17.0835,
20.2317

Harmonies

Analogous

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



5.2623, 7.3907, 15.5875



6.4075, 7.3907, 18.8581



7.8906, 7.3907, 18.5933

Triad

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



6.4075, 7.3907, 18.8581



10.1038, 7.3907, 5.8904



5.1445, 7.3907, 3.6812

Complementary

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



6.4075, 7.3907, 18.8581



8.4395, 5.3804, 0.5942

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.



6.2245, 7.3907, 2.5078



6.4075, 7.3907, 18.8581



9.1421, 7.3907, 3.4420

Square

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



6.4075, 7.3907, 18.8581



10.1710, 7.3907, 10.0100



7.6802, 7.3907, 2.4392



4.6050, 7.3907, 6.3594

Rectangle

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



6.4075, 7.3907, 18.8581



8.8781, 7.3907, 16.4376



7.6802, 7.3907, 2.4392



5.4489, 7.3907, 3.1458

Sweetspot

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



6.4078, 7.3909, 18.8583



21.7464, 24.6113, 34.8574



7.0668, 13.5732, 4.0821



4.9504, 5.6435, 8.2351



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



6.4078, 7.3909, 18.8583



11.1463, 12.7523, 33.1270



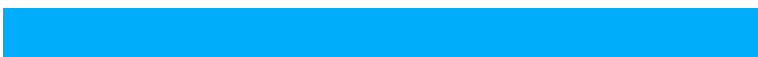
3.6776, 1.9305, 17.9482



4.0051, 4.3085, 5.0637



6.9768, 8.0360, 20.5687



32.4896, 36.7518, 97.8512

Inverse Universe

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



9.2690, 4.6027, 8.3827



16.2398, 8.0697, 14.4156



12.1139, 12.7291, 1.8190



4.1030, 4.0569, 4.7402



10.1049, 5.0181, 9.1092



47.8024, 23.7773, 41.3510

Previews

White Background



This preview shows how the XYZ color 6.4075, 7.3907, 18.8581 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 ✓ Pass

Black Background



This preview shows how the XYZ color 6.4075, 7.3907, 18.8581 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

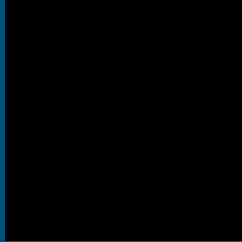
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 6.4075, 7.3907, 18.8581

Background



This preview shows how black text looks on a background with the XYZ color 6.4075, 7.3907, 18.8581.



This preview shows how white text looks on a background with the XYZ color 6.4075, 7.3907, 18.8581.

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

6.4075, 7.3907, 18.8581

Protanopia

7.7933, 7.4967, 17.2559

Deuteranopia

7.5733, 7.4451, 19.1271



Tritanopia

5.2596, 7.4283, 11.2818

Trichromacy



Original Color

6.4075, 7.3907, 18.8581

Protanomaly

6.8497, 7.2045, 17.8592

Deuteranomaly

6.9069, 7.3125, 19.1366

Tritanomaly

5.6468, 7.4563, 13.7120

Monochromacy



Original Color

6.4075, 7.3907, 18.8581

Achromatopsia

4.5787, 4.8172, 5.2459

Achromatomaly

4.5262, 5.3121, 8.9704

CSS Examples

Text

The CSS property to change the color of the text to XYZ 6.4075, 7.3907, 18.8581 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(0, 82, 120)` looks like.

```
.text, #text, p{  
    color:rgb(0, 82, 120)  
}
```

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(0, 82, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 82, 120) }
```

Border

The CSS property to change the border of an element to XYZ 6.4075, 7.3907, 18.8581 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(0, 82, 120) }
```


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

```
.border{ border-color:rgb(0, 82, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 82, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 82, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 82, 120);  
box-shadow:4px 4px 4px 4px rgb(0, 82, 120)  
}
```

Background

The CSS property to change the background color of an element to XYZ 6.4075, 7.3907, 18.8581 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 82, 120) }
```

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

```
.background{ background-color: rgb(0, 82,  
120) }
```

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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