

Converting Colors

XYZ(4.6446, 7.6429, 20.8271)

Have a look what the booklet for
XYZ(4.6446, 7.6429, 20.8271)
contains.

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Color

**XYZ(7.5930, 9.1607,
21.1066)**

Conversions

Conversions Part 1

Format	Color
Hex	005C7E
RGB	0, 92, 126
RGB Percent	0%, 36%, 49%
CMY	1.0000, 0.6392, 0.5059
CMYK	1.00, 0.27, 0.00, 0.51
HSL	196°, 100%, 25%
HSV	196°, 100%, 49%
XYZ	7.5930, 9.1607, 21.1066
YIQ	68.3680, -65.7460, -8.9300

Conversions

Conversions Part 2

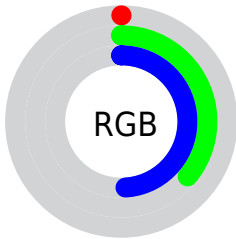
Format	Color
RYB	0, 53, 126
Decimal	23678
CIELab	36.29, -10.05, -25.59
CIELCh	36, 27.495, 248.551
Yxy	9.1607, 0.2006, 0.2420
Android (android.graphics.Color)	4278213758 (0xFF005C7E)
YUV	68.3680, 28.4126, -59.9587
Hunter-Lab	30.2666, -8.1863, -20.1595

Details

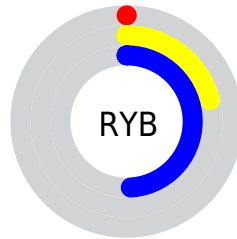
The XYZ color **7.5930, 9.1607, 21.1066** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9.1766, 5.5802, 0.5937**, and the grayscale version is **5.5176, 5.8049, 6.3216**.

A 20% lighter version of the original color is **20.8703, 24.1785, 46.2148**, and **2.3165, 2.4898, 7.3797** is the 20% darker color. If you saturate the color by 10%, you get **7.5930, 9.1605, 21.1068**, and if you desaturate by 10%, it is **8.0547, 9.8460, 21.2147**.

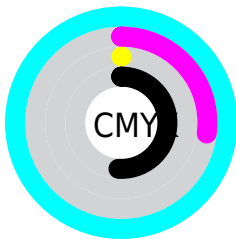
Distribution



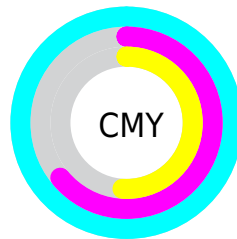
- Red (0%)
- Green (36%)
- Blue (49%)



- Red (0%)
- Yellow (21%)
- Blue (49%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (51%)



- Cyan (100%)
- Magenta (64%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.5930, 9.1607, 21.1066 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 7.5930, 9.1607, 21.1066 by changing the saturation by 10% instead.

7.5930, 9.1607,
21.1066

7.5930, 9.1607,
21.1066

166.9436,
184.5722, 270.6441

3.8852, 4.8461,
13.0099

20.8497, 24.2044,
46.1480

1.6374, 2.1573,
7.3046

31.1294, 35.7024,
63.9298

0.4166, 0.6965,
3.5720

44.3305, 50.3636,
85.7770

0.0000, 0.0000,
1.3936

60.8183, 68.5724,
112.1083

0.0000, 0.0000,
0.1367

80.9581, 90.7133,
143.3421

0.0000, 0.0000,
0.0000

105.1154,

117.1706, 179.8969

133.6554,
148.3288, 222.1914

7.5930, 9.1607,
21.1066

7.5930, 9.1607,
21.1066

7.5930, 9.1605,
21.1068

8.0547, 9.8460,
21.2147

8.6151, 10.6019,
21.3311

9.3295, 11.4573,
21.4586

10.2147, 12.4212,
21.5980

11.2853, 13.5012,
21.7500

■ 12.5542, 14.7043,
21.9153

■ 14.0330, 16.0367,
22.0946

■ 15.7325, 17.5041,
22.2882

■ 17.6627, 19.1119,
22.4968

Harmonies

Analogous

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



6.4452, 9.1607, 16.8107



7.5930, 9.1607, 21.1066



9.1894, 9.1607, 21.9933

Triad

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



7.5930, 9.1607, 21.1066



12.2532, 9.1607, 8.6783



6.8684, 9.1607, 4.4046

Complementary

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



7.5930, 9.1607, 21.1066



9.1766, 5.5802, 0.5937

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.



8.2418, 9.1607, 3.3983



7.5930, 9.1607, 21.1066



11.4441, 9.1607, 5.2998

Square

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



7.5930, 9.1607, 21.1066



12.0220, 9.1607, 13.6974



9.9249, 9.1607, 3.6637



6.0653, 9.1607, 6.9958

Rectangle

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



7.5930, 9.1607, 21.1066



10.3203, 9.1607, 20.3290



9.9249, 9.1607, 3.6637



7.2712, 9.1607, 3.9142

Sweetspot

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



7.5933, 9.1610, 21.1068



24.5039, 28.0539, 38.8678



7.7441, 15.0351, 3.9778



5.3625, 6.1931, 8.8158



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



7.5933, 9.1610, 21.1068



13.2447, 15.8833, 37.1121



4.2155, 2.4053, 19.9809



4.3514, 4.6967, 5.4905



7.7860, 9.3906, 21.6521



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.5362, 5.2086, 10.5756



18.4847, 9.1434, 18.2939



12.8424, 12.9118, 1.8156



4.4502, 4.3932, 5.1751



10.8070, 5.3425, 10.8394



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 7.5930, 9.1607, 21.1066 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 7.5930, 9.1607, 21.1066 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 7.5930, 9.1607, 21.1066

Background



This preview shows how black text looks on a background with the XYZ color 7.5930, 9.1607, 21.1066.

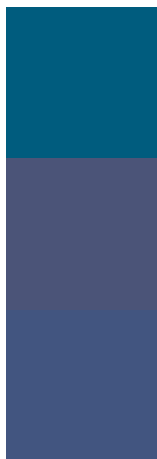


This preview shows how white text looks on a background with the XYZ color 7.5930, 9.1607,

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

7.5930, 9.1607, 21.1066

Protanopia

9.4621, 9.1926, 19.0449

Deuteranopia

9.3915, 9.2138, 21.7055



Tritanopia

6.4905, 9.1437, 13.9932

Trichromacy



Original Color

7.5930, 9.1607, 21.1066

Protanomaly

8.1400, 8.8499, 19.6915

Deuteranomaly

8.2753, 9.0040, 21.3805

Tritanomaly

6.8719, 9.1531, 16.4435

Monochromacy



Original Color

7.5930, 9.1607, 21.1066

Achromatopsia

5.4944, 5.7805, 6.2950

Achromatomaly

5.4533, 6.5426, 10.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.5930, 9.1607, 21.1066 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, 92, 126)` looks like.

```
.text, #text, p{  
    color:rgb(0, 92, 126)  
}
```

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, 92, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 92, 126) }
```

Border

The CSS property to change the border of an element to XYZ 7.5930, 9.1607, 21.1066 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, 92, 126) }
```


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

```
.border{ border-color:rgb(0, 92, 126) }
```

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

Here you see how a box with a 4 pixel rgb(0, 92, 126) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 92, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 92, 126);  
box-shadow:4px 4px 4px 4px rgb(0, 92, 126)  
}
```

Background

The CSS property to change the background color of an element to XYZ 7.5930, 9.1607, 21.1066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 92, 126) }
```

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

```
.background{ background-color: rgb(0, 92,  
126) }
```

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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