

# Converting Colors

XYZ(9.2543, 12.6173, 21.1032)

Have a look what the booklet for  
XYZ(9.2543, 12.6173, 21.1032)  
contains.

<b>XYZ(9.2391, 12.6200, 21.0177)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(9.2391, 12.6200,  
21.0177)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	026E7C
RGB	2, 110, 124
RGB Percent	1%, 43%, 49%
CMY	0.9921, 0.5686, 0.5137
CMYK	0.98, 0.11, 0.00, 0.51
HSL	187°, 97%, 25%
HSV	187°, 98%, 49%
XYZ	9.2391, 12.6200, 21.0177
YIQ	79.3040, -68.8620, -18.5420

# Conversions

## Conversions Part 2

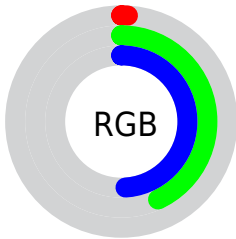
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 59, 124
Decimal	159356
CIELab	42.19, -20.90, -15.27
CIELCh	42, 25.882, 216.147
Yxy	12.6200, 0.2155, 0.2943
Android (android.graphics.Color)	4278349436 (0xFF026E7C)
YUV	79.3040, 22.0351, -67.7956
Hunter-Lab	35.5246, -15.7446, -10.2109

# Details

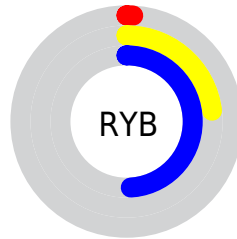
The XYZ color **9.2391, 12.6200, 21.0177** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **8.5089, 4.6607, 0.5092**, and the grayscale version is **7.4600, 7.8485, 8.5470**.

A 20% lighter version of the original color is **24.0806, 30.6773, 46.2471**, and **2.9926, 3.9532, 7.2619** is the 20% darker color. If you saturate the color by 10%, you get **9.1892, 12.5574, 21.0085**, and if you desaturate by 10%, it is **9.5567, 13.0138, 21.0772**.

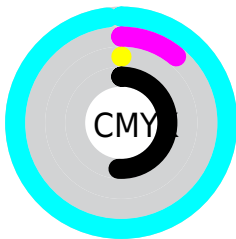
# Distribution



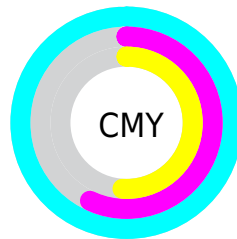
- Red (1%)
- Green (43%)
- Blue (49%)



- Red (1%)
- Yellow (23%)
- Blue (49%)



- Cyan (98%)
- Magenta (11%)
- Yellow (0%)
- Black (51%)



- Cyan (99%)
- Magenta (57%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 9.2391, 12.6200, 21.0177 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 9.2391, 12.6200, 21.0177 by changing the saturation by 10% instead.



9.2391, 12.6200,  
21.0177

9.2391, 12.6200,  
21.0177

179.3212,  
208.4677, 270.1567

4.9558, 7.1674,  
12.9456

24.0170, 30.6194,  
45.9982

2.2559, 3.5670,  
7.2608

35.2424, 43.9350,  
63.7436

0.7719, 1.4344,  
3.5448

49.5124, 60.6403,  
85.5505

0.0000, 0.2419,  
1.3791

67.1926, 81.1199,  
111.8375

0.0000, 0.0000,  
0.1253

88.6482, 105.7580,  
143.0230

0.0000, 0.0000,  
0.0000

114.2446,

134.9391, 179.5257

144.3472,  
169.0475, 221.7641

■ 9.2391, 12.6200,  
21.0177

■ 9.2391, 12.6200,  
21.0177

■ 9.1892, 12.5574,  
21.0085

■ 9.5567, 13.0138,  
21.0772

■ 9.9735, 13.4621,  
21.1418

■ 10.5311, 13.9867,  
21.2136

■ 11.2450, 14.5956,  
21.2936

■ 12.1288, 15.2958,  
21.3821

■ 13.1944, 16.0935,  
21.4799

■ 14.4529, 16.9944,  
21.5875

■ 15.9142, 18.0036,  
21.7053

■ 17.5878, 19.1260,  
21.8337

# Harmonies

## Analogous

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



8.6685, 12.6200, 14.9116



9.2391, 12.6200, 21.0177



10.5550, 12.6200, 25.9440

# Triad

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



9.2391, 12.6200, 21.0177



15.7220, 12.6200, 18.5063



11.6017, 12.6200, 5.6472

# Complementary

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



9.2391, 12.6200, 21.0177



8.5089, 4.6607, 0.5092

# 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.



13.5602, 12.6200, 6.1286



9.2391, 12.6200, 21.0177



16.0790, 12.6200, 12.6334

# Square

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



9.2391, 12.6200, 21.0177



14.3215, 12.6200, 24.2429



15.2506, 12.6200, 8.3738



9.9350, 12.6200, 6.8177



# Rectangle

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



9.2391, 12.6200, 21.0177



11.7471, 12.6200, 27.3186



15.2506, 12.6200, 8.3738



12.2462, 12.6200, 5.6267

# Sweetspot

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



9.2395, 12.6205, 21.0180



24.8835, 29.5178, 37.9426



7.3138, 14.4608, 2.8290



5.6762, 6.8205, 8.9204



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.



9.2395, 12.6205, 21.0180



16.1069, 21.9702, 36.9484



4.8391, 3.8196, 19.5512



4.0697, 4.4377, 5.0852



9.3404, 12.7633, 21.3566



44.1574, 60.0875, 101.7405



# Inverse Universe

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



11.1488, 5.4548, 15.2175



19.5260, 9.5001, 26.4796



10.8536, 9.3501, 1.2907



4.1356, 4.0700, 4.9119



11.2980, 5.4953, 15.3918



53.6918, 26.1331, 72.3641



# Previews

## White Background



This preview shows how the XYZ color 9.2391, 12.6200, 21.0177 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 9.2391, 12.6200, 21.0177 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

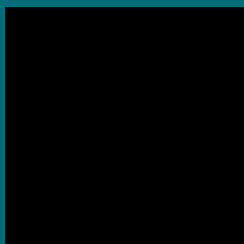
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

**XYZ 9.2391, 12.6200, 21.0177**

## **Background**



This preview shows how black text looks on a background with the XYZ color 9.2391, 12.6200, 21.0177.



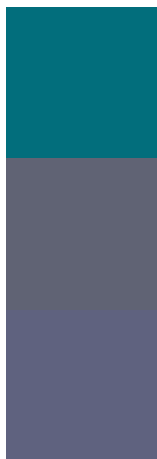
This preview shows how white text looks on a background with the XYZ color 9.2391, 12.6200,



# 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

9.2391, 12.6200, 21.0177

### Protanopia

12.4381, 12.6714, 18.3133

### Deuteranopia

12.9178, 12.7006, 21.8493



## Tritanopia

9.0142, 12.7008, 19.4292

# Trichromacy



## Original Color

9.2391, 12.6200, 21.0177

## Protanomaly

10.1666, 12.0565, 19.2441

## Deuteranomaly

10.4417, 12.0012, 21.5048

## Tritanomaly

9.1481, 12.7558, 20.0691

# Monochromacy



## Original Color

9.2391, 12.6200, 21.0177

## Achromatopsia

7.4317, 7.8187, 8.5146

## Achromatomaly

7.0870, 8.8424, 12.1597

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 9.2391, 12.6200, 21.0177 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(2, 110, 124)` looks like.

```
.text, #text, p{  
    color:rgb(2, 110, 124)  
}
```

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(2, 110, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 110, 124) }
```

## Border

The CSS property to change the border of an element to XYZ 9.2391, 12.6200, 21.0177 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(2, 110, 124) }
```



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

```
.border{ border-color:rgb(2, 110, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 110, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 110, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 110, 124);  
box-shadow:4px 4px 4px 4px rgb(2, 110,  
124) }
```

# Background

The CSS property to change the background color of an element to XYZ 9.2391, 12.6200, 21.0177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 110, 124) }
```

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

```
.background{ background-color: rgb(2, 110,  
124) }
```

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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