

Converting Colors

XYZ(2.4620, 7.9986, 14.3685)

Have a look what the booklet for
XYZ(2.4620, 7.9986, 14.3685)
contains.

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Color

**XYZ(7.1996, 10.4820,
14.4757)**

Conversions

Conversions Part 1

Format	Color
Hex	006667
RGB	0, 102, 103
RGB Percent	0%, 40%, 40%
CMY	0.9999, 0.6000, 0.5961
CMYK	1.00, 0.01, 0.00, 0.60
HSL	181°, 100%, 20%
HSV	181°, 100%, 40%
XYZ	7.1996, 10.4820, 14.4757
YIQ	71.6160, -61.1130, -21.3130

Conversions

Conversions Part 2

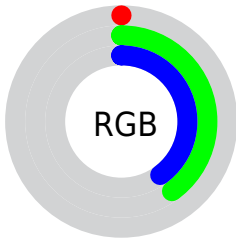
Format	Color
RYB	0, 51, 103
Decimal	26215
CIELab	38.69, -24.19, -7.78
CIELCh	39, 25.412, 197.818
Yxy	10.4820, 0.2239, 0.3260
Android (android.graphics.Color)	4278216295 (0xFF006667)
YUV	71.6160, 15.4723, -62.8072
Hunter-Lab	32.3759, -16.9639, -3.8462

Details

The XYZ color **7.1996, 10.4820, 14.4757** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **5.6047, 2.9057, 0.2659**, and the grayscale version is **6.0767, 6.3931, 6.9621**.

A 20% lighter version of the original color is **19.9716, 26.5320, 34.6404**, and **2.0330, 2.9239, 4.1986** is the 20% darker color. If you saturate the color by 10%, you get **7.1997, 10.4822, 14.4759**, and if you desaturate by 10%, it is **7.3387, 10.5685, 14.4853**.

Distribution



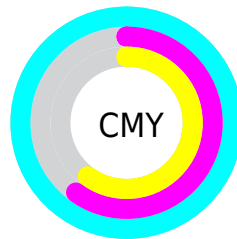
- Red (0%)
- Green (40%)
- Blue (40%)



- Red (0%)
- Yellow (20%)
- Blue (40%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (60%)



- Cyan (100%)
- Magenta (60%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 7.1996, 10.4820, 14.4757 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 7.1996, 10.4820, 14.4757 by changing the saturation by 10% instead.

7.1996, 10.4820,
14.4757

7.1996, 10.4820,
14.4757

163.8208,
194.0784, 231.7009

3.6347, 5.7197,
8.3097

20.0744, 26.6982,
34.6599

1.4976, 2.6754,
4.2032

30.1150, 38.9209,
49.5153

0.3242, 0.9647,
1.7375

43.0449, 54.3992,
68.1042

0.0000, 0.0000,
0.3862

59.2294, 73.5175,
90.8452

0.0000, 0.0000,
0.0000

79.0339, 96.6602,
118.1568

102.8237,

124.2116, 150.4576

130.9643,
156.5562, 188.1661

7.1996, 10.4820,
14.4757

7.1996, 10.4820,
14.4757

7.1997, 10.4822,
14.4759

7.3387, 10.5685,
14.4853

7.5206, 10.6769,
14.4966

7.7918, 10.8313,
14.5121

8.1622, 11.0369,
14.5323

8.6404, 11.2981,
14.5575

■ 9.2340, 11.6188,
14.5881

■ 9.9500, 12.0026,
14.6244

■ 10.7948, 12.4528,
14.6668

■ 11.7742, 12.9725,
14.7155

Harmonies

Analogous

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



7.1338, 10.4820, 9.5747



7.1996, 10.4820, 14.4757



7.9523, 10.4820, 19.7066

Triad

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



7.1996, 10.4820, 14.4757



12.5460, 10.4820, 18.7976



10.6583, 10.4820, 4.5612

Complementary

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



7.1996, 10.4820, 14.4757



5.6047, 2.9057, 0.2659

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.



12.2866, 10.4820, 5.8503



7.1996, 10.4820, 14.4757



13.4555, 10.4820, 13.4730

Square

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



7.1996, 10.4820, 14.4757



10.9815, 10.4820, 22.6438



13.3556, 10.4820, 8.8162



9.0091, 10.4820, 4.6897

Rectangle

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



7.1996, 10.4820, 14.4757



8.7953, 10.4820, 22.2665



13.3556, 10.4820, 8.8162



11.2294, 10.4820, 4.8238

Sweetspot

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



7.1999, 10.4824, 14.4760



17.6922, 21.4254, 26.1801



4.8506, 9.7008, 1.6173



4.2152, 5.1731, 6.3822



52.6788, 55.4222, 60.3547



5.6320, 5.9254, 6.4527

Same Dimension

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



7.1999, 10.4824, 14.4760



12.8865, 18.7591, 25.9188



3.6546, 3.3917, 13.2942



2.9014, 3.1809, 3.5930



9.0565, 13.1848, 18.2119



47.1950, 68.6867, 94.9718

Inverse Universe

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



7.9921, 3.8433, 12.8913



14.3076, 6.8801, 23.0691



6.7999, 5.2960, 0.6643



2.9348, 2.8886, 3.5291



10.0540, 4.8346, 16.2146



52.4170, 25.2068, 84.4623

Previews

White Background



This preview shows how the XYZ color 7.1996, 10.4820, 14.4757 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 7.1996, 10.4820, 14.4757 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

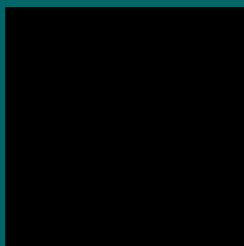
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 7.1996, 10.4820, 14.4757

Background



This preview shows how black text looks on a background with the XYZ color 7.1996, 10.4820, 14.4757.



This preview shows how white text looks on a background with the XYZ color 7.1996, 10.4820,

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

7.1996, 10.4820, 14.4757

Protanopia

10.1668, 10.5508, 12.5670

Deuteranopia

10.6881, 10.5125, 15.1015



Tritanopia

7.6452, 10.5307, 16.0977

Trichromacy



Original Color

7.1996, 10.4820, 14.4757

Protanomaly

8.0893, 9.9848, 13.3053

Deuteranomaly

8.3561, 9.9551, 14.8457

Tritanomaly

7.4455, 10.4400, 15.5326

Monochromacy



Original Color

7.1996, 10.4820, 14.4757

Achromatopsia

6.1596, 6.4803, 7.0571

Achromatomaly

5.7813, 7.3919, 9.3057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 7.1996, 10.4820, 14.4757 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, 102, 103)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 103)  
}
```

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, 102, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 103) }
```

Border

The CSS property to change the border of an element to XYZ 7.1996, 10.4820, 14.4757 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, 102, 103) }
```


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

```
.border{ border-color:rgb(0, 102, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 103);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
103) }
```

Background

The CSS property to change the background color of an element to XYZ 7.1996, 10.4820, 14.4757 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 103) }
```

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

```
.background{ background-color: rgb(0, 102,  
103) }
```

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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