

Converting Colors

XYZ(7.4756, 10.1507, 30.4895)

Have a look what the booklet for
XYZ(7.4756, 10.1507, 30.4895)
contains.

XYZ(10.1587, 11.5094, 30.5403)	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(10.1587, 11.5094,
30.5403)**

Conversions

Conversions Part 1

Format	Color
Hex	006596
RGB	0, 101, 150
RGB Percent	0%, 40%, 59%
CMY	0.9999, 0.6039, 0.4118
CMYK	1.00, 0.33, 0.00, 0.41
HSL	200°, 100%, 29%
HSV	200°, 100%, 59%
XYZ	10.1587, 11.5094, 30.5403
YIQ	76.3870, -75.9250, -6.1730

Conversions

Conversions Part 2

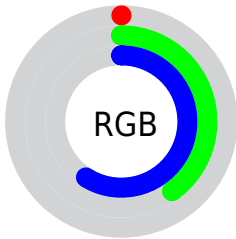
Format	Color
R_{YB}	0, 60, 150
Decimal	26006
CIE _{Lab}	40.43, -5.93, -33.63
CIE _{LCh}	40, 34.152, 260.003
Yxy	11.5094, 0.1946, 0.2205
Android (android.graphics.Color)	4278216086 (0xFF006596)
YUV	76.3870, 36.2912, -66.9914
Hunter-Lab	33.9255, -5.9194, -29.6260

Details

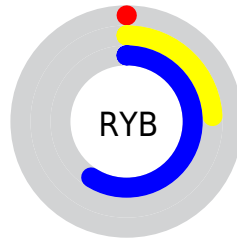
The XYZ color **10.1587, 11.5094, 30.5403** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **13.6771, 8.6825, 0.9556**, and the grayscale version is **6.8872, 7.2459, 7.8908**.

A 20% lighter version of the original color is **25.6946, 28.6551, 61.3035**, and **3.6183, 3.6332, 12.3150** is the 20% darker color. If you saturate the color by 10%, you get **10.1582, 11.5083, 30.5404**, and if you desaturate by 10%, it is **10.8463, 12.5916, 30.7132**.

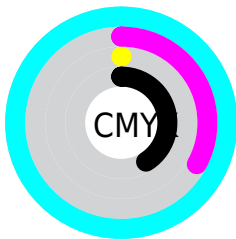
Distribution



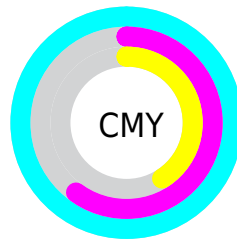
- Red (0%)
- Green (40%)
- Blue (59%)



- Red (0%)
- Yellow (24%)
- Blue (59%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (41%)



- Cyan (100%)
- Magenta (60%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1587, 11.5094, 30.5403 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 10.1587, 11.5094, 30.5403 by changing the saturation by 10% instead.

■ 10.1587, 11.5094,
30.5403

■ 10.1587, 11.5094,
30.5403

185.8311,
201.1298, 318.7002

■ 5.5674, 6.4106,
19.9935

■ 25.7405, 28.5984,
61.5867

■ 2.6220, 3.0963,
12.2063

■ 37.4618, 41.3573,
82.9233

■ 0.9572, 1.1822,
6.7601

■ 52.2904, 57.4384,
108.6937

■ 0.0000, 0.0471,
3.2364

■ 70.5917, 77.2260,
139.3163

■ 0.0000, 0.0000,
1.2166

■ 92.7310, 101.1045,
175.2098

■ 0.0000, 0.0000,
0.0000

■ 119.0738,

129.4584, 216.7925

149.9854,
162.6720, 264.4832

■ 10.1587, 11.5094,
30.5403

■ 10.1587, 11.5094,
30.5403

■ 10.1582, 11.5083,
30.5404

■ 10.8463, 12.5916,
30.7132

■ 11.7040, 13.8042,
30.9020

■ 12.7994, 15.1829,
31.1104

■ 14.1592, 16.7420,
31.3397

■ 15.8060, 18.4940,
31.5911

■ 17.7602, 20.4500,
31.8656

■ 20.0400, 22.6200,
32.1643

■ 22.6621, 25.0132,
32.4880

■ 25.6420, 27.6382,
32.8377

Harmonies

Analogous

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



8.2367, 11.5094, 25.6050



10.1587, 11.5094, 30.5403



12.5926, 11.5094, 29.4740

Triad

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



10.1587, 11.5094, 30.5403



15.8661, 11.5094, 8.5377



7.7752, 11.5094, 5.8190

Complementary

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



10.1587, 11.5094, 30.5403



13.6771, 8.6825, 0.9556

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.



9.4375, 11.5094, 3.7713



10.1587, 11.5094, 30.5403



14.1767, 11.5094, 4.8966

Square

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



10.1587, 11.5094, 30.5403



16.1341, 11.5094, 14.9653



11.7590, 11.5094, 3.5100



6.9997, 11.5094, 10.3775

Rectangle

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



10.1587, 11.5094, 30.5403



14.1771, 11.5094, 25.6036



11.7590, 11.5094, 3.5100



8.2364, 11.5094, 4.8970

Sweetspot

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



10.1591, 11.5098, 30.5406



35.1055, 39.6761, 56.7292



11.4302, 22.0224, 6.3924



7.4289, 8.4624, 12.5267



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



10.1591, 11.5098, 30.5406



17.7623, 19.9804, 53.8417



5.9092, 3.0100, 29.1240



5.8060, 6.2461, 7.3693



8.4549, 9.6046, 25.3393



0.1304, 0.1714, 0.3191

Inverse Universe

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



14.9270, 7.4242, 12.9585



26.2587, 13.0676, 22.4282



19.5995, 20.5274, 2.9298



5.9555, 5.8773, 6.8720



12.3947, 6.1629, 10.8256



0.1653, 0.0809, 0.2041

Previews

White Background



This preview shows how the XYZ color 10.1587, 11.5094, 30.5403 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 10.1587, 11.5094, 30.5403 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 10.1587, 11.5094, 30.5403

Background



This preview shows how black text looks on a background with the XYZ color 10.1587, 11.5094, 30.5403.



This preview shows how white text looks on a background with the XYZ color 10.1587, 11.5094,

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

10.1587, 11.5094, 30.5403

Protanopia

12.1786, 11.6387, 27.9902

Deuteranopia

11.7925, 11.5088, 30.8780



Tritanopia

8.1913, 11.5230, 17.7120

Trichromacy



Original Color

10.1587, 11.5094, 30.5403

Protanomaly

10.7784, 11.3028, 28.8077

Deuteranomaly

10.7751, 11.2552, 30.8827

Tritanomaly

8.7811, 11.4329, 21.8226

Monochromacy



Original Color

10.1587, 11.5094, 30.5403

Achromatopsia

6.8694, 7.2272, 7.8704

Achromatomaly

6.9156, 8.1047, 14.0318

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1587, 11.5094, 30.5403 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, 101, 150)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 150)  
}
```

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, 101, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 150) }
```

Border

The CSS property to change the border of an element to XYZ 10.1587, 11.5094, 30.5403 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, 101, 150) }
```


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

```
.border{ border-color:rgb(0, 101, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 150);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1587, 11.5094, 30.5403 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 150) }
```

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

```
.background{ background-color: rgb(0, 101,  
150) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor