

Converting Colors

XYZ(6.0767, 9.1744, 33.4688)

Have a look what the booklet for
XYZ(6.0767, 9.1744, 33.4688)
contains.

XYZ(10.6430, 11.5487, 33.5665)	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(10.6430, 11.5487,
33.5665)**

Conversions

Conversions Part 1

Format	Color
Hex	00649D
RGB	0, 100, 157
RGB Percent	0%, 39%, 62%
CMY	0.9999, 0.6078, 0.3843
CMYK	1.00, 0.36, 0.00, 0.38
HSL	202°, 100%, 31%
HSV	202°, 100%, 62%
XYZ	10.6430, 11.5487, 33.5665
YIQ	76.5980, -77.8970, -3.4730

Conversions

Conversions Part 2

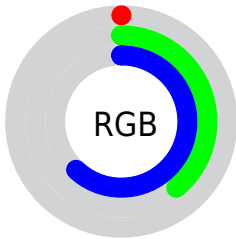
Format	Color
RYB	0, 61, 157
Decimal	25757
CIELab	40.49, -2.49, -37.71
CIELCh	40, 37.794, 266.218
Yxy	11.5487, 0.1909, 0.2071
Android (android.graphics.Color)	4278215837 (0xFF00649D)
YUV	76.5980, 39.6382, -67.1764
Hunter-Lab	33.9834, -3.5678, -34.7743

Details

The XYZ color **10.6430, 11.5487, 33.5665** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.3693, 10.0970, 1.1396**, and the grayscale version is **6.9206, 7.2810, 7.9290**.

A 20% lighter version of the original color is **26.6966, 28.8180, 66.4427**, and **3.8690, 3.6583, 13.8668** is the 20% darker color. If you saturate the color by 10%, you get **10.6422, 11.5471, 33.5665**, and if you desaturate by 10%, it is **11.4183, 12.7889, 33.7653**.

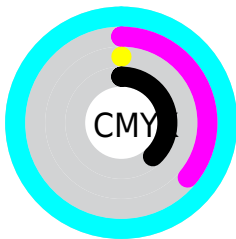
Distribution



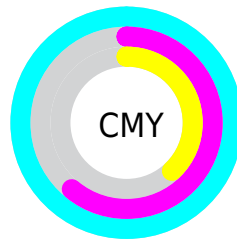
- Red (0%)
- Green (39%)
- Blue (62%)



- Red (0%)
- Yellow (24%)
- Blue (62%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (61%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6430, 11.5487, 33.5665 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 10.6430, 11.5487, 33.5665 by changing the saturation by 10% instead.

■ 10.6430, 11.5487,
33.5665

■ 10.6430, 11.5487,
33.5665

189.1610,
201.3942, 332.9047

■ 5.8928, 6.4372,
22.2861

■ 26.6369, 28.6704,
66.3851

■ 2.8201, 3.1127,
13.8670

■ 38.6114, 41.4494,
88.7605

■ 1.0593, 1.1908,
7.8905

■ 53.7247, 57.5531,
115.6712

■ 0.0000, 0.0542,
3.9382

■ 72.3422, 77.3657,
147.5359

■ 0.0000, 0.0000,
1.5915

■ 94.8292, 101.2717,
184.7730

■ 0.0000, 0.0000,
0.2847

■ 121.5511,

■ 0.0000, 0.0000,

129.6556, 227.8012

0.0000

152.8732,
162.9016, 277.0389

■ 10.6430, 11.5487,
33.5665

■ 10.6430, 11.5487,
33.5665

■ 10.6422, 11.5471,
33.5665

■ 11.4183, 12.7889,
33.7653

■ 12.3924, 14.1893,
33.9842

■ 13.6374, 15.7885,
34.2273

■ 15.1834, 17.6029,
34.4960

■ 17.0563, 19.6469,
34.7919

■ 19.2789, 21.9333,
35.1160

■ 21.8717, 24.4737,
35.4697

■ 24.8537, 27.2788,
35.8540

■ 28.2424, 30.3586,
36.2698

Harmonies

Analogous

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



8.3729, 11.5487, 29.0873



10.6430, 11.5487, 33.5665



13.3932, 11.5487, 30.8090

Triad

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



10.6430, 11.5487, 33.5665



16.2303, 11.5487, 7.1528



7.2529, 11.5487, 6.0651

Complementary

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



10.6430, 11.5487, 33.5665



15.3693, 10.0970, 1.1396

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.



8.8699, 11.5487, 3.4834



10.6430, 11.5487, 33.5665



14.0711, 11.5487, 3.9100

Square

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



10.6430, 11.5487, 33.5665



16.9075, 11.5487, 13.5650



11.3173, 11.5487, 2.8937



6.6257, 11.5487, 11.6335

Rectangle

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



10.6430, 11.5487, 33.5665



15.0959, 11.5487, 25.6658



11.3173, 11.5487, 2.8937



7.6845, 11.5487, 4.9221

Sweetspot

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



10.6435, 11.5491, 33.5668



38.8746, 43.5463, 63.4831



12.7462, 24.3899, 7.6462



8.1415, 9.1821, 13.9136



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



10.6435, 11.5491, 33.5668



18.8717, 20.3049, 60.0513



6.4041, 3.0703, 32.1537



6.6191, 7.1040, 8.4290



8.6794, 9.4503, 27.2739



0.1941, 0.2469, 0.5006

Inverse Universe

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



16.2053, 8.0888, 12.7641



28.9261, 14.4471, 22.3567



22.3548, 24.0680, 3.4681



6.8018, 6.7137, 7.8076



13.1792, 6.5762, 10.4604



0.2553, 0.1254, 0.2906

Previews

White Background



This preview shows how the XYZ color 10.6430, 11.5487, 33.5665 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 10.6430, 11.5487, 33.5665 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 10.6430, 11.5487, 33.5665

Background



This preview shows how black text looks on a background with the XYZ color 10.6430, 11.5487, 33.5665.



This preview shows how white text looks on a background with the XYZ color 10.6430, 11.5487,

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

10.6430, 11.5487, 33.5665

Protanopia

12.3243, 11.5189, 30.8520

Deuteranopia

11.8757, 11.6186, 33.9645



Tritanopia

8.1913, 11.5230, 17.7120

Trichromacy



Original Color

10.6430, 11.5487, 33.5665

Protanomaly

11.1049, 11.2700, 31.7270

Deuteranomaly

11.1059, 11.3581, 33.9547

Tritanomaly

8.9796, 11.5123, 22.8679

Monochromacy



Original Color

10.6430, 11.5487, 33.5665

Achromatopsia

7.0540, 7.4214, 8.0819

Achromatomaly

7.1166, 8.1906, 14.8415

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6430, 11.5487, 33.5665 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, 100, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 157)  
}
```

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, 100, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 157) }
```

Border

The CSS property to change the border of an element to XYZ 10.6430, 11.5487, 33.5665 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, 100, 157) }
```


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

```
.border{ border-color:rgb(0, 100, 157) }
```

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

Here you see how a box with a 4 pixel rgb(0, 100, 157) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 100, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 100, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 100,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6430, 11.5487, 33.5665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 157) }
```

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

```
.background{ background-color: rgb(0, 100,  
157) }
```

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