

Converting Colors

XYZ(7.1436, 11.3197, 28.2020)

Have a look what the booklet for
XYZ(7.1436, 11.3197, 28.2020)
contains.

XYZ(10.6100, 13.1655, 28.3675)	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(10.6100, 13.1655,
28.3675)**

Conversions

Conversions Part 1

Format	Color
Hex	006E90
RGB	0, 110, 144
RGB Percent	0%, 43%, 56%
CMY	0.9999, 0.5686, 0.4353
CMYK	1.00, 0.24, 0.00, 0.44
HSL	194°, 100%, 28%
HSV	194°, 100%, 56%
XYZ	10.6100, 13.1655, 28.3675
YIQ	80.9860, -76.4740, -12.7460

Conversions

Conversions Part 2

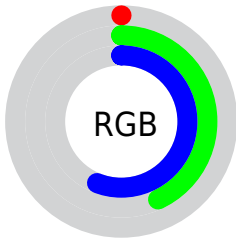
Format	Color
RYB	0, 62, 144
Decimal	28304
CIELab	43.01, -13.61, -25.99
CIELCh	43, 29.342, 242.359
Yxy	13.1655, 0.2035, 0.2525
Android (android.graphics.Color)	4278218384 (0xFF006E90)
YUV	80.9860, 31.0659, -71.0247
Hunter-Lab	36.2843, -11.3018, -20.9546

Details

The XYZ color **10.6100, 13.1655, 28.3675** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **12.0745, 7.0748, 0.7299**, and the grayscale version is **7.7713, 8.1760, 8.9037**.

A 20% lighter version of the original color is **26.6807, 31.7569, 58.1496**, and **3.6984, 4.2356, 10.9785** is the 20% darker color. If you saturate the color by 10%, you get **10.6096, 13.1646, 28.3676**, and if you desaturate by 10%, it is **11.1719, 14.0105, 28.5013**.

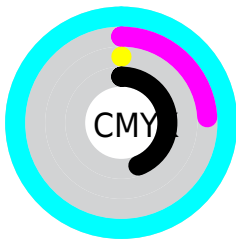
Distribution



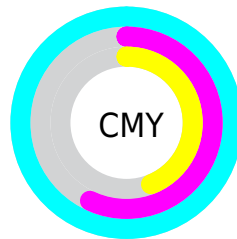
- Red (0%)
- Green (43%)
- Blue (56%)



- Red (0%)
- Yellow (24%)
- Blue (56%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (57%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.6100, 13.1655, 28.3675 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 10.6100, 13.1655, 28.3675 by changing the saturation by 10% instead.

10.6100, 13.1655,
28.3675

10.6100, 13.1655,
28.3675

188.9361,
211.9756, 308.1858

5.8706, 7.5426,
18.3614

26.5761, 31.6008,
58.1008

2.8065, 3.8037,
11.0377

38.5335, 45.1820,
78.6651

1.0523, 1.5644,
5.9777

53.6276, 62.1847,
103.5858

0.0000, 0.3334,
2.7629

72.2237, 82.9934,
133.2816

0.0000, 0.0000,
0.9749

94.6873, 107.9925,
168.1710

0.0000, 0.0000,
0.0000

121.3837,

137.5663, 208.6724

152.6781,
172.0992, 255.2045

■ 10.6100, 13.1655,
28.3675

■ 10.6100, 13.1655,
28.3675

■ 10.6096, 13.1646,
28.3676

■ 11.1719, 14.0105,
28.5013

■ 11.8741, 14.9489,
28.6454

■ 12.7807, 16.0139,
28.8032

■ 13.9153, 17.2180,
28.9758

■ 15.2982, 18.5720,
29.1642

■ 16.9475, 20.0853,
29.3694

■ 18.8794, 21.7665,
29.5921

■ 21.1087, 23.6234,
29.8330

■ 23.6493, 25.6635,
30.0929

Harmonies

Analogous

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



9.2003, 13.1655, 22.0502



10.6100, 13.1655, 28.3675



12.6925, 13.1655, 30.6400

Triad

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



10.6100, 13.1655, 28.3675



17.3580, 13.1655, 13.8305



10.3358, 13.1655, 6.2036

Complementary

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



10.6100, 13.1655, 28.3675



12.0745, 7.0748, 0.7299

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.



12.3360, 13.1655, 5.1710



10.6100, 13.1655, 28.3675



16.5394, 13.1655, 8.6689

Square

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



10.6100, 13.1655, 28.3675



16.7550, 13.1655, 20.8928



14.6319, 13.1655, 5.9161



9.0559, 13.1655, 9.3168

Rectangle

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



10.6100, 13.1655, 28.3675



14.2341, 13.1655, 29.1356



14.6319, 13.1655, 5.9161



10.9373, 13.1655, 5.6524

Sweetspot

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



10.6105, 13.1659, 28.3678



33.0681, 38.1943, 52.1674



10.2569, 20.0601, 4.8161



7.2770, 8.4954, 11.9284



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



10.6105, 13.1659, 28.3678



18.5805, 22.9547, 49.9894



5.7409, 3.4269, 26.7447



5.4538, 5.9034, 6.8808



9.2574, 11.5009, 24.7090



0.1053, 0.1436, 0.2418

Inverse Universe

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



14.3165, 7.0557, 15.3596



25.1831, 12.4167, 26.7361



16.6154, 16.1566, 2.2435



5.5725, 5.4895, 6.5130



12.4758, 6.1474, 13.4230



0.1278, 0.0622, 0.1731

Previews

White Background



This preview shows how the XYZ color 10.6100, 13.1655, 28.3675 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 10.6100, 13.1655, 28.3675 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

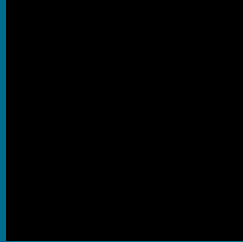
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.6100, 13.1655, 28.3675

Background



This preview shows how black text looks on a background with the XYZ color 10.6100, 13.1655, 28.3675.

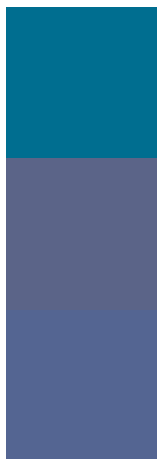


This preview shows how white text looks on a background with the XYZ color 10.6100, 13.1655,

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

10.6100, 13.1655, 28.3675

Protanopia

13.3155, 13.1161, 25.1224

Deuteranopia

13.4981, 13.2675, 29.0436



Tritanopia

9.3563, 13.1907, 20.1421

Trichromacy



Original Color

10.6100, 13.1655, 28.3675

Protanomaly

11.3554, 12.6642, 26.2720

Deuteranomaly

11.5293, 12.7018, 28.6321

Tritanomaly

9.7566, 13.1733, 22.7974

Monochromacy



Original Color

10.6100, 13.1655, 28.3675

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

7.7420, 9.3838, 14.4999

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6100, 13.1655, 28.3675 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, 110, 144)` looks like.

```
.text, #text, p{  
    color:rgb(0, 110, 144)  
}
```

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, 110, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 110, 144) }
```

Border

The CSS property to change the border of an element to XYZ 10.6100, 13.1655, 28.3675 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, 110, 144) }
```


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

```
.border{ border-color:rgb(0, 110, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 110, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 110, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 110, 144);  
box-shadow:4px 4px 4px 4px rgb(0, 110,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6100, 13.1655, 28.3675 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 110, 144) }
```

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

```
.background{ background-color: rgb(0, 110,  
144) }
```

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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