

Converting Colors

XYZ(10.6880, 6.1722, 20.3281)

Have a look what the booklet for
XYZ(10.6880, 6.1722, 20.3281)
contains.

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Color

**XYZ(10.6758, 6.1455,
20.3622)**

Conversions

Conversions Part 1	
Format	Color
Hex	6C277E
RGB	108, 39, 126
RGB Percent	42%, 15%, 49%
CMY	0.5765, 0.8471, 0.5059
CMYK	0.14, 0.69, 0.00, 0.51
HSL	288°, 53%, 32%
HSV	288°, 69%, 49%
XYZ	10.6758, 6.1455, 20.3622
YIQ	69.5490, 13.1970, 41.6850

Conversions

Conversions Part 2

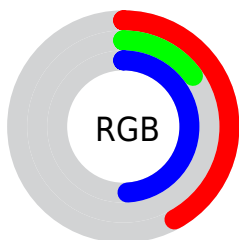
Format	Color
RYB	108, 39, 126
Decimal	7087998
CIELab	29.78, 43.93, -35.45
CIELCh	30, 56.448, 321.101
Yxy	6.1455, 0.2871, 0.1653
Android (android.graphics.Color)	4285278078 (0xFF6C277E)
YUV	69.5490, 27.8303, 33.7215
Hunter-Lab	24.7901, 33.4879, -31.3468

Details

The XYZ color **10.6758, 6.1455, 20.3622** is a dark color, and the websafe version is hex **660066**. A complement of this color would be **9.5145, 15.9381, 4.4945**, and the grayscale version is **5.7010, 5.9979, 6.5317**.

A 20% lighter version of the original color is **26.6931, 18.2484, 44.7632**, and **2.9918, 1.3917, 6.9484** is the 20% darker color. If you saturate the color by 10%, you get **10.0165, 5.2903, 20.2320**, and if you desaturate by 10%, it is **11.4826, 7.2811, 20.5390**.

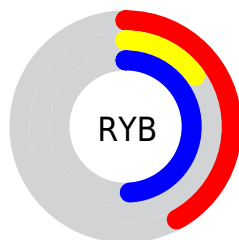
Distribution



Red (42%)

Green (15%)

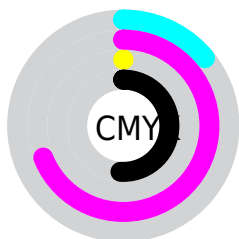
Blue (49%)



Red (42%)

Yellow (15%)

Blue (49%)

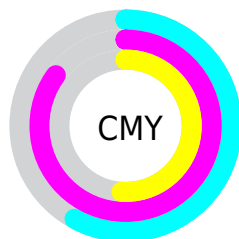


Cyan (14%)

Magenta (69%)

Yellow (0%)

Black (51%)



Cyan (58%)


Magenta (85%)

Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 10.6758, 6.1455, 20.3622 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 10.6758, 6.1455, 20.3622 by changing the saturation by 10% instead.


 10.6758, 6.1455,
20.3622


 10.6758, 6.1455,
20.3622


 189.3842,
160.3618, 266.5380


 5.9150, 2.9338,
12.4719


 26.6974, 18.2323,
44.8905


 2.8336, 1.0972,
6.9395


 38.6888, 27.8761,
62.3657


 1.0664, 0.0000,
3.3464


 53.8212, 40.4327,
83.8728

 0.0000, 0.0000,
1.2741

 72.4599, 56.2865,
109.8306

 0.0000, 0.0000,
0.0404

 94.9701, 75.8220,
140.6574

 0.0000, 0.0000,
0.0000

 121.7174, 99.4234,

176.7719

153.0669,
127.4752, 218.5926

■ 10.6758, 6.1455,
20.3622

■ 10.6758, 6.1455,
20.3622

■ 10.0165, 5.2903,
20.2320

■ 11.4826, 7.2811,
20.5390

■ 9.4896, 4.6862,
20.1431

■ 12.4485, 8.7209,
20.7660

■ 9.0546, 4.2521,
20.0823

■ 13.5847, 10.4872,
21.0470

■ 9.0141, 4.2119,
20.0767

■ 14.9014, 12.5998,
21.3854

■ 16.4076, 15.0769,
21.7841

■ 18.1119, 17.9356,
22.2461

■ 20.0223, 21.1918,
22.7739

■ 22.1464, 24.8604,
23.3701

■ 24.4913, 28.9557,
24.0370

Harmonies

Analogous

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



7.8382, 6.1455, 31.0115



10.6758, 6.1455, 20.3622



12.3257, 6.1455, 9.1670

Triad

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



10.6758, 6.1455, 20.3622



6.6514, 6.1455, 0.0000



2.3013, 6.1455, 13.3055

Complementary

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



10.6758, 6.1455, 20.3622



9.5145, 15.9381, 4.4945

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.



2.1563, 6.1455, 4.7072



10.6758, 6.1455, 20.3622



4.2158, 6.1455, 0.0000

Square

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



10.6758, 6.1455, 20.3622



9.5885, 6.1455, 0.5179



2.7438, 6.1455, 1.1187



3.2248, 6.1455, 25.2386

Rectangle

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



10.6758, 6.1455, 20.3622



12.2707, 6.1455, 4.2902



2.7438, 6.1455, 1.1187



2.1735, 6.1455, 9.8540

Sweetspot

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



10.6761, 6.1458, 20.3623



28.2011, 25.4119, 38.1630



6.1082, 4.9488, 20.3721



6.2785, 5.5556, 8.6445



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.



10.6761, 6.1458, 20.3623



17.0581, 8.6355, 35.5121



11.6960, 6.8332, 13.1047



4.4138, 4.3689, 5.4239



9.2440, 4.3192, 20.5964



0.0000, 0.0000, 0.0000

Inverse Universe

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



10.0683, 6.1822, 4.5335



16.2626, 8.9093, 4.5741



9.2132, 15.7194, 7.3471



4.3614, 4.3577, 4.7074



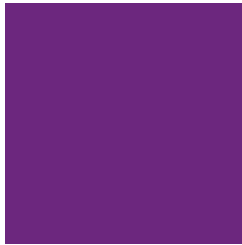
9.0178, 4.6268, 1.4173



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 10.6758, 6.1455, 20.3622 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 ✓ Pass

Black Background



This preview shows how the XYZ color 10.6758, 6.1455, 20.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 10.6758, 6.1455, 20.3622

Background



This preview shows how black text looks on a background with the XYZ color 10.6758, 6.1455, 20.3622.



This preview shows how white text looks on a background with the XYZ color 10.6758, 6.1455,

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

10.6758, 6.1455, 20.3622

Protanopia

7.3164, 6.3316, 28.0306

Deuteranopia

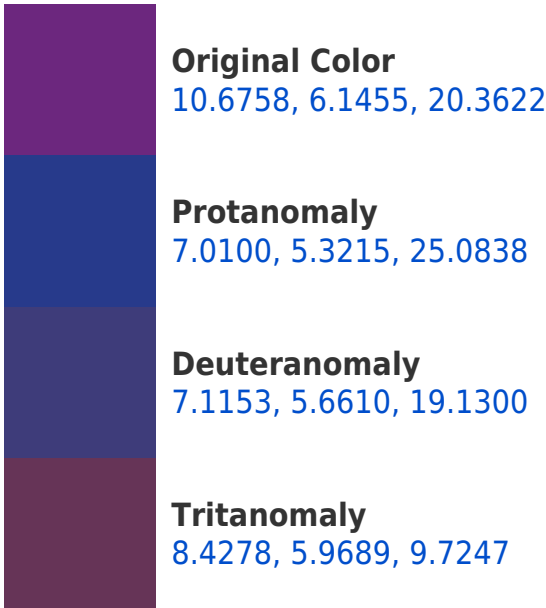
6.4351, 6.3659, 18.6589



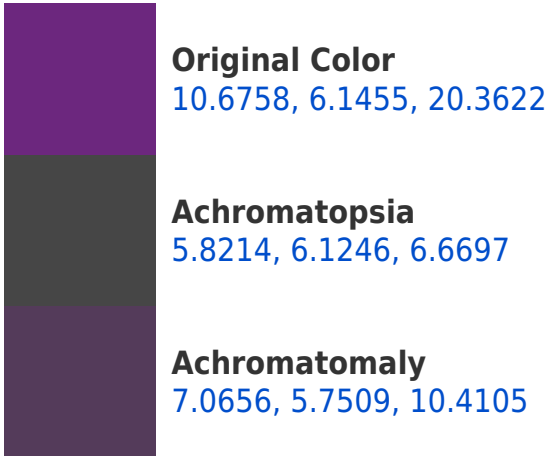
Tritanopia

7.6350, 6.1507, 5.6353

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.6758, 6.1455, 20.3622 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(108, 39, 126)` looks like.

```
.text, #text, p{  
    color:rgb(108, 39, 126)  
}
```

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(108, 39, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 39, 126) }
```

Border

The CSS property to change the border of an element to XYZ 10.6758, 6.1455, 20.3622 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(108, 39, 126) }
```


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

```
.border{ border-color:rgb(108, 39, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 39, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 39, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 39, 126);  
box-shadow:4px 4px 4px 4px rgb(108, 39,  
126) }
```

Background

The CSS property to change the background color of an element to XYZ 10.6758, 6.1455, 20.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 39, 126) }
```

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

```
.background{ background-color: rgb(108, 39,  
126) }
```

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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