

Converting Colors

XYZ(10.3368, 5.2980, 25.2888)

Have a look what the booklet for
XYZ(10.3368, 5.2980, 25.2888)
contains.

XYZ(10.3368, 5.2980, 25.2888)	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(10.3368, 5.2980,
25.2888)**

Conversions

Conversions Part 1

Format	Color
Hex	64198C
RGB	100, 25, 140
RGB Percent	39%, 10%, 55%
CMY	0.6078, 0.9020, 0.4510
CMYK	0.29, 0.82, 0.00, 0.45
HSL	279°, 70%, 32%
HSV	279°, 82%, 55%
XYZ	10.3368, 5.2980, 25.2888
YIQ	60.5350, 7.7850, 51.6650

Conversions

Conversions Part 2

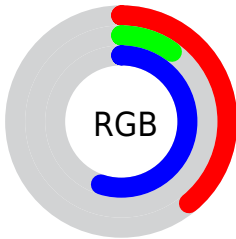
Format	Color
R_{YB}	100, 25, 140
Decimal	6560140
CIE _{Lab}	27.57, 50.87, -47.82
CIE _{LCh}	28, 69.821, 316.771
Yxy	5.2980, 0.2526, 0.1295
Android (android.graphics.Color)	4284750220 (0xFF64198C)
YUV	60.5350, 39.1762, 34.6108
Hunter-Lab	23.0174, 39.8815, -49.0287

Details

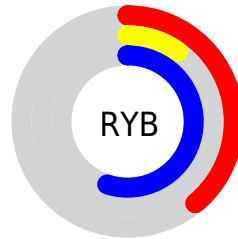
The XYZ color **10.3368, 5.2980, 25.2888** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **11.7335, 19.9502, 4.1521**, and the grayscale version is **4.3160, 4.5408, 4.9449**.

A 20% lighter version of the original color is **26.0512, 16.4556, 52.8421**, and **2.9299, 1.3021, 9.5481** is the 20% darker color. If you saturate the color by 10%, you get **9.5865, 4.5728, 25.1885**, and if you desaturate by 10%, it is **11.2698, 6.3400, 25.4409**.

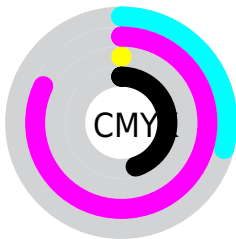
Distribution



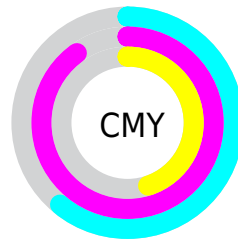
- Red (39%)
- Green (10%)
- Blue (55%)



- Red (39%)
- Yellow (10%)
- Blue (55%)



- Cyan (29%)
- Magenta (82%)
- Yellow (0%)
- Black (45%)



- Cyan (61%)
- Magenta (90%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3368, 5.2980, 25.2888 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 10.3368, 5.2980, 25.2888 by changing the saturation by 10% instead.

10.3368, 5.2980,
25.2888

10.3368, 5.2980,
25.2888

187.0631,
152.6609, 292.7667

5.6868, 2.4232,
16.0714

26.0711, 16.4562,
53.0953

2.6944, 0.8378,
9.4198

37.8860, 25.5084,
72.5214

0.9943, 0.0000,
4.9154

52.8200, 37.3884,
96.1875

0.0000, 0.0000,
2.1399

71.2384, 52.4808,
124.5121

0.0000, 0.0000,
0.6393

93.5066, 71.1698,
157.9138

0.0000, 0.0000,
0.0000

119.9898, 93.8399,

196.8111

151.0536,
120.8755, 241.6226

10.3368, 5.2980,
25.2888

10.3368, 5.2980,
25.2888

9.5865, 4.5728,
25.1885

11.2698, 6.3400,
25.4409

9.0783, 4.1332,
25.1304

12.4050, 7.7381,
25.6509

13.7599, 9.5263,
25.9246

15.3499, 11.7344,
26.2670

17.1886, 14.3891,
26.6825

■ 19.2888, 17.5151,
27.1752

■ 21.6622, 21.1351,
27.7489

■ 24.3197, 25.2703,
28.4070

■ 27.2717, 29.9406,
29.1528

Harmonies

Analogous

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



6.8363, 5.2980, 38.9436



10.3368, 5.2980, 25.2888



12.7209, 5.2980, 10.2884

Triad

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



10.3368, 5.2980, 25.2888



6.4334, 5.2980, 0.0000



1.3450, 5.2980, 11.7662

Complementary

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



10.3368, 5.2980, 25.2888



11.7335, 19.9502, 4.1521

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.



1.3081, 5.2980, 2.8149



10.3368, 5.2980, 25.2888



3.5826, 5.2980, 0.0000

Square

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



10.3368, 5.2980, 25.2888



9.9454, 5.2980, 0.0000



1.9517, 5.2980, 0.0000



2.0851, 5.2980, 27.2188

Rectangle

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



10.3368, 5.2980, 25.2888



12.9259, 5.2980, 4.0724



1.9517, 5.2980, 0.0000



1.2639, 5.2980, 7.8805

Sweetspot

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



10.3371, 5.2982, 25.2889



32.7009, 28.9191, 47.6014



7.0393, 5.9096, 25.5807



7.2701, 6.2692, 10.9063



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



10.3371, 5.2982, 25.2889



15.9331, 7.2789, 44.3082



14.7225, 7.6946, 19.3663



5.0678, 5.0434, 6.3122



8.0882, 3.6837, 22.3304



0.0696, 0.0326, 0.1491

Inverse Universe

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



12.1170, 6.6524, 5.6462



20.0172, 10.2410, 5.7949



10.2015, 19.1319, 5.3692



5.1000, 5.0754, 5.6152



10.1053, 5.1522, 3.0590



0.0736, 0.0368, 0.0542

Previews

White Background



This preview shows how the XYZ color 10.3368, 5.2980, 25.2888 looks on a white background.

Color Contrast Check

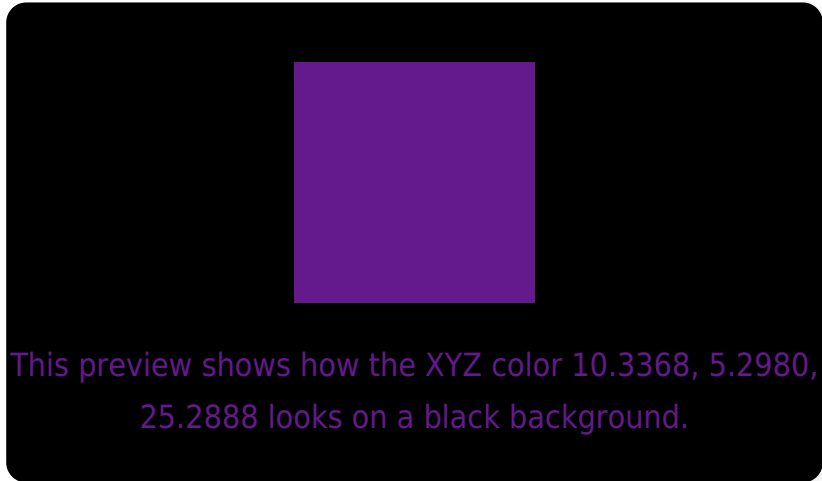
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

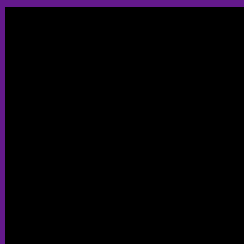
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3368, 5.2980, 25.2888

Background



This preview shows how black text looks on a background with the XYZ color 10.3368, 5.2980, 25.2888.



This preview shows how white text looks on a background with the XYZ color 10.3368, 5.2980,

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

10.3368, 5.2980, 25.2888

Protanopia

6.2066, 5.4161, 23.6400

Deuteranopia

5.3371, 5.4423, 17.9087



Tritanopia

6.3407, 5.4112, 5.4129

Trichromacy



Original Color

10.3368, 5.2980, 25.2888

Protanomaly

6.3835, 4.4624, 24.1918

Deuteranomaly

5.7214, 4.3374, 20.2743

Tritanomaly

7.2790, 4.9846, 10.4760

Monochromacy



Original Color

10.3368, 5.2980, 25.2888

Achromatopsia

4.4355, 4.6665, 5.0818

Achromatomaly

5.8041, 4.3479, 10.2062

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3368, 5.2980, 25.2888 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(100, 25, 140)` looks like.

```
.text, #text, p{  
    color:rgb(100, 25, 140)  
}
```

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(100, 25, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 25, 140) }
```

Border

The CSS property to change the border of an element to XYZ 10.3368, 5.2980, 25.2888 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(100, 25, 140) }
```


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

```
.border{ border-color:rgb(100, 25, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 25, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 25, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 25, 140);  
box-shadow:4px 4px 4px 4px rgb(100, 25,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3368, 5.2980, 25.2888 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 25, 140) }
```

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

```
.background{ background-color: rgb(100, 25,  
140) }
```

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