

Converting Colors

XYZ(10.0987, 11.2012, 27.3201)

Have a look what the booklet for
XYZ(10.0987, 11.2012, 27.3201)
contains.

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Color

**XYZ(10.1073, 11.2700,
27.2338)**

Conversions

Conversions Part 1

Format	Color
Hex	25638E
RGB	37, 99, 142
RGB Percent	15%, 39%, 56%
CMY	0.8549, 0.6118, 0.4431
CMYK	0.74, 0.30, 0.00, 0.44
HSL	205°, 59%, 35%
HSV	205°, 74%, 56%
XYZ	10.1073, 11.2700, 27.2338
YIQ	85.3640, -50.7550, 0.2290

Conversions

Conversions Part 2

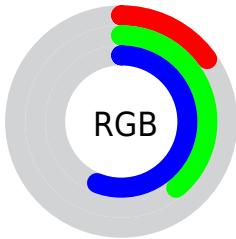
Format	Color
R_{YB}	37, 76, 142
Decimal	2450318
CIE _{Lab}	40.03, -4.63, -29.41
CIE _{LCh}	40, 29.769, 261.050
Yxy	11.2700, 0.2079, 0.2318
Android (android.graphics.Color)	4280640398 (0xFF25638E)
YUV	85.3640, 27.9215, -42.4152
Hunter-Lab	33.5708, -5.0072, -24.5985

Details

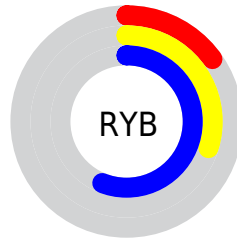
The XYZ color **10.1073, 11.2700, 27.2338** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **14.3587, 11.6228, 3.2376**, and the grayscale version is **8.6624, 9.1135, 9.9246**.

A 20% lighter version of the original color is **25.6940, 28.2850, 56.3299**, and **3.1614, 3.3015, 10.3682** is the 20% darker color. If you saturate the color by 10%, you get **9.1622, 9.9942, 27.0376**, and if you desaturate by 10%, it is **11.2912, 12.7281, 27.4531**.

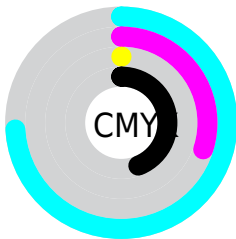
Distribution



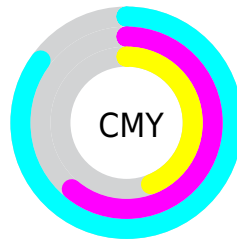
- Red (15%)
- Green (39%)
- Blue (56%)



- Red (15%)
- Yellow (30%)
- Blue (56%)



- Cyan (74%)
- Magenta (30%)
- Yellow (0%)
- Black (44%)



- Cyan (85%)
- Magenta (61%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.1073, 11.2700, 27.2338 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 10.1073, 11.2700, 27.2338 by changing the saturation by 10% instead.

■ 10.1073, 11.2700,
27.2338

■ 10.1073, 11.2700,
27.2338

■ 185.4738,
199.5107, 302.5833

■ 5.5330, 6.2487,
17.5149

■ 25.6450, 28.1584,
56.2671

■ 2.6012, 2.9969,
10.4365

■ 37.3390, 40.7943,
76.4186

■ 0.9466, 1.1301,
5.5799

■ 52.1370, 56.7372,
100.8847

■ 0.0000, 0.0035,
2.5267

■ 70.4044, 76.3715,
130.0839

■ 0.0000, 0.0000,
0.8543

■ 92.5063, 100.0816,
164.4349

■ 0.0000, 0.0000,
0.0000

■ 118.8083,

128.2519, 204.3561

149.6757,
161.2668, 250.2660

■ 10.1073, 11.2700,
27.2338

■ 10.1073, 11.2700,
27.2338

■ 9.1622, 9.9942,
27.0376

■ 11.2912, 12.7281,
27.4531

■ 8.4285, 8.8850,
26.8622

■ 12.7340, 14.3796,
27.6958

■ 8.0408, 8.2696,
26.7638

■ 14.4549, 16.2358,
27.9634

■ 16.4709, 18.3064,
28.2568

■ 18.7973, 20.6006,
28.5770

■ 21.4486, 23.1269,
28.9249

■ 24.4381, 25.8931,
29.3013

■ 27.7784, 28.9068,
29.7069

■ 31.4814, 32.1751,
30.1426

Harmonies

Analogous

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



8.4097, 11.2700, 23.3761



10.1073, 11.2700, 27.2338



12.1984, 11.2700, 26.1944

Triad

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



10.1073, 11.2700, 27.2338



14.8500, 11.2700, 8.6310



7.9173, 11.2700, 6.4321

Complementary

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



10.1073, 11.2700, 27.2338



14.3587, 11.6228, 3.2376

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.



9.3512, 11.2700, 4.4370



10.1073, 11.2700, 27.2338



13.3998, 11.2700, 5.3944

Square

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



10.1073, 11.2700, 27.2338



15.1202, 11.2700, 14.1219



11.3399, 11.2700, 4.1303



7.2562, 11.2700, 10.5895

Rectangle

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



10.1073, 11.2700, 27.2338



13.5292, 11.2700, 22.9680



11.3399, 11.2700, 4.1303



8.3155, 11.2700, 5.5503

Sweetspot

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



10.1077, 11.2704, 27.2341



33.8029, 36.9607, 50.4804



11.8478, 20.3042, 10.6927



7.3214, 8.0341, 11.2443



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.



10.1077, 11.2704, 27.2341



15.2262, 16.2425, 47.4605



6.6827, 4.4203, 26.0924



5.3775, 5.7509, 6.8554



7.2378, 7.4616, 24.0358



0.0909, 0.1148, 0.2370

Inverse Universe

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



14.0694, 7.9753, 12.6025



23.1171, 11.9251, 17.8141



19.6733, 22.2520, 5.0091



5.5340, 5.4741, 6.3102



11.4564, 5.7396, 8.0547



0.1205, 0.0593, 0.1348

Previews

White Background



This preview shows how the XYZ color 10.1073, 11.2700, 27.2338 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 10.1073, 11.2700, 27.2338 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

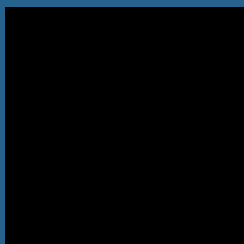
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

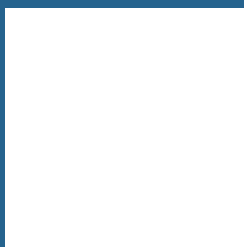
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 10.1073, 11.2700, 27.2338

Background



This preview shows how black text looks on a background with the XYZ color 10.1073, 11.2700, 27.2338.

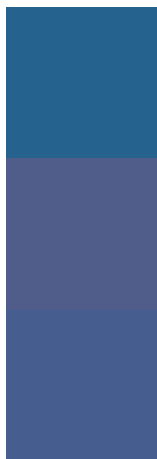


This preview shows how white text looks on a background with the XYZ color 10.1073, 11.2700,

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

10.1073, 11.2700, 27.2338

Protanopia

11.6508, 11.1659, 25.2081

Deuteranopia

11.4864, 11.2907, 27.5605



Tritanopia

7.9310, 11.0929, 17.3459

Trichromacy



Original Color

10.1073, 11.2700, 27.2338

Protanomaly

10.8668, 11.1385, 26.0033

Deuteranomaly

10.8857, 11.2485, 27.5840

Tritanomaly

8.5554, 11.0435, 20.7495

Monochromacy



Original Color

10.1073, 11.2700, 27.2338

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

8.6416, 9.5819, 15.0297

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.1073, 11.2700, 27.2338 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(37, 99, 142)` looks like.

```
.text, #text, p{  
    color:rgb(37, 99, 142)  
}
```

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(37, 99, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 99, 142) }
```

Border

The CSS property to change the border of an element to XYZ 10.1073, 11.2700, 27.2338 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(37, 99, 142) }
```


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

```
.border{ border-color:rgb(37, 99, 142) }
```

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

Here you see how a box with a 4 pixel rgb(37, 99, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 99, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 99, 142);  
box-shadow:4px 4px 4px 4px rgb(37, 99,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 10.1073, 11.2700, 27.2338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 99, 142) }
```

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

```
.background{ background-color: rgb(37, 99,  
142) }
```

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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