

Converting Colors

XYZ(10.9431, 12.2135, 25.8936)

Have a look what the booklet for
XYZ(10.9431, 12.2135, 25.8936)
contains.

XYZ(10.9144, 12.1499, 25.8147)	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(10.9144, 12.1499,
25.8147)**

Conversions

Conversions Part 1

Format	Color
Hex	37668A
RGB	55, 102, 138
RGB Percent	22%, 40%, 54%
CMY	0.7843, 0.6000, 0.4588
CMYK	0.60, 0.26, 0.00, 0.46
HSL	206°, 43%, 38%
HSV	206°, 60%, 54%
XYZ	10.9144, 12.1499, 25.8147
YIQ	92.0510, -39.5680, 1.2320

Conversions

Conversions Part 2

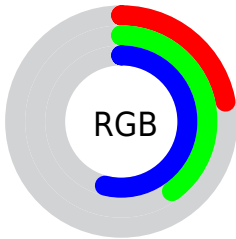
Format	Color
RYB	55, 85, 138
Decimal	3630730
CIELab	41.45, -4.62, -24.73
CIElCh	41, 25.154, 259.427
Yxy	12.1499, 0.2233, 0.2486
Android (android.graphics.Color)	4281820810 (0xFF37668A)
YUV	92.0510, 22.6529, -32.4937
Hunter-Lab	34.8567, -5.1070, -19.5102

Details

The XYZ color **10.9144, 12.1499, 25.8147** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **14.9126, 13.1623, 5.3697**, and the grayscale version is **10.1409, 10.6690, 11.6185**.

A 20% lighter version of the original color is **27.2123, 29.8394, 54.1945**, and **3.1276, 3.4370, 9.7311** is the 20% darker color. If you saturate the color by 10%, you get **9.6944, 10.6792, 25.5954**, and if you desaturate by 10%, it is **12.3892, 13.8155, 26.0587**.

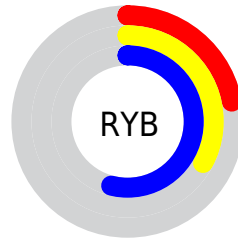
Distribution



Red (22%)

Green (40%)

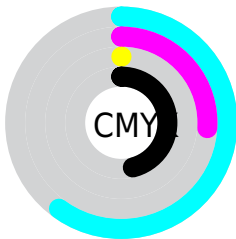
Blue (54%)



Red (22%)

Yellow (33%)

Blue (54%)

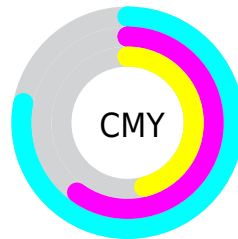


Cyan (60%)

Magenta (26%)

Yellow (0%)

Black (46%)



Cyan (78%)

Magenta (60%)

Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.9144, 12.1499, 25.8147 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 10.9144, 12.1499, 25.8147 by changing the saturation by 10% instead.

■ 10.9144, 12.1499,
25.8147

■ 10.9144, 12.1499,
25.8147

■ 190.9998,
205.3952, 295.4477

■ 6.0762, 6.8459,
16.4605

■ 27.1361, 29.7678,
53.9563

■ 2.9326, 3.3659,
9.6928

■ 39.2503, 42.8505,
73.5808

■ 1.1182, 1.3256,
5.0928

■ 54.5206, 59.2948,
97.4658

■ 0.0403, 0.1609,
2.2421

■ 73.3122, 79.4852,
126.0299

■ 0.0000, 0.0000,
0.6985

■ 95.9906, 103.8060,
159.6916

■ 0.0000, 0.0000,
0.0000

■ 122.9211,

132.6417, 198.8694

154.4690,
166.3766, 243.9820

■ 10.9144, 12.1499,
25.8147

■ 10.9144, 12.1499,
25.8147

■ 9.6944, 10.6792,
25.5954

■ 12.3892, 13.8155,
26.0587

■ 8.7089, 9.3909,
25.3986

■ 14.1343, 15.6846,
26.3275

■ 7.9362, 8.2726,
25.2235

■ 16.1657, 17.7669,
26.6223

■ 7.3220, 7.3040,
25.0689

■ 18.4973, 20.0707,
26.9441

■ 21.1423, 22.6042,
27.2937

■ 24.1131, 25.3747,
27.6719

■ 27.4212, 28.3893,
28.0795

■ 31.0776, 31.6549,
28.5171

■ 35.0929, 35.1779,
28.9854

Harmonies

Analogous

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



9.4072, 12.1499, 22.4556



10.9144, 12.1499, 25.8147



12.7585, 12.1499, 25.1910

Triad

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



10.9144, 12.1499, 25.8147



15.1947, 12.1499, 10.1523



9.0761, 12.1499, 7.6973

Complementary

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



10.9144, 12.1499, 25.8147



14.9126, 13.1623, 5.3697

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.



10.4168, 12.1499, 5.8194



10.9144, 12.1499, 25.8147



13.9914, 12.1499, 6.9558

Square

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



10.9144, 12.1499, 25.8147



15.3642, 12.1499, 15.1658



12.2059, 12.1499, 5.5895



8.4228, 12.1499, 11.4648

Rectangle

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



10.9144, 12.1499, 25.8147



13.9302, 12.1499, 22.6404



12.2059, 12.1499, 5.5895



9.4543, 12.1499, 6.8717

Sweetspot

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



10.9148, 12.1503, 25.8150



33.3827, 36.1325, 47.5980



12.5515, 19.7444, 13.0403



7.2344, 7.8586, 10.6419



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



10.9148, 12.1503, 25.8150



16.4530, 18.0170, 44.9936



7.8076, 5.9358, 24.7792



4.9942, 5.3313, 6.3717



6.7278, 6.7260, 22.9893



0.0593, 0.0739, 0.1576

Inverse Universe

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



14.2461, 9.0956, 13.5754



23.1745, 13.2276, 19.9899



19.4859, 22.3089, 6.8942



5.1437, 5.0929, 5.8451



10.8827, 5.4632, 7.1526



0.0797, 0.0392, 0.0863

Previews

White Background



This preview shows how the XYZ color 10.9144, 12.1499, 25.8147 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 10.9144, 12.1499, 25.8147 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

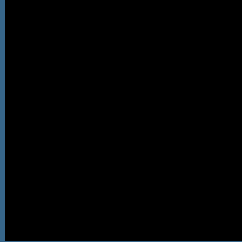
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.9144, 12.1499, 25.8147

Background



This preview shows how black text looks on a background with the XYZ color 10.9144, 12.1499, 25.8147.

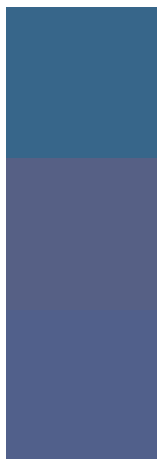


This preview shows how white text looks on a background with the XYZ color 10.9144, 12.1499,

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

10.9144, 12.1499, 25.8147

Protanopia

12.2543, 12.0376, 23.8679

Deuteranopia

12.2364, 11.9792, 26.0934



Tritanopia

9.3307, 12.1038, 18.0641

Trichromacy



Original Color

10.9144, 12.1499, 25.8147

Protanomaly

11.6425, 11.9805, 24.6205

Deuteranomaly

11.7004, 11.9772, 26.1212

Tritanomaly

9.8933, 12.1862, 20.5696

Monochromacy



Original Color

10.9144, 12.1499, 25.8147

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

10.1676, 11.1321, 16.0808

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.9144, 12.1499, 25.8147 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(55, 102, 138)` looks like.

```
.text, #text, p{  
    color:rgb(55, 102, 138)  
}
```

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(55, 102, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 102, 138) }
```

Border

The CSS property to change the border of an element to XYZ 10.9144, 12.1499, 25.8147 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(55, 102, 138) }
```


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

```
.border{ border-color:rgb(55, 102, 138) }
```

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

Here you see how a box with a 4 pixel rgb(55, 102, 138) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 102, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 102, 138);  
box-shadow:4px 4px 4px 4px rgb(55, 102,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 10.9144, 12.1499, 25.8147 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 102, 138) }
```

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

```
.background{ background-color: rgb(55, 102,  
138) }
```

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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