

Converting Colors

XYZ(11.3208, 12.7939, 33.3253)

Have a look what the booklet for
XYZ(11.3208, 12.7939, 33.3253)
contains.

XYZ(11.3208, 12.7939, 33.3253)	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(11.3208, 12.7939,
33.3253)**

Conversions

Conversions Part 1

Format	Color
Hex	0D6A9C
RGB	13, 106, 156
RGB Percent	5%, 42%, 61%
CMY	0.9489, 0.5843, 0.3882
CMYK	0.92, 0.32, 0.00, 0.39
HSL	201°, 85%, 33%
HSV	201°, 92%, 61%
XYZ	11.3208, 12.7939, 33.3253
YIQ	83.8930, -71.4780, -4.1660

Conversions

Conversions Part 2

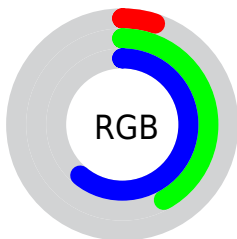
Format	Color
R_{YB}	13, 69, 156
Decimal	879260
CIE _{Lab}	42.45, -5.94, -34.01
CIE _{LCh}	42, 34.519, 260.098
Yxy	12.7939, 0.1971, 0.2227
Android (android.graphics.Color)	4279069340 (0xFF0D6A9C)
YUV	83.8930, 35.5488, -62.1732
Hunter-Lab	35.7686, -6.0995, -30.2021

Details

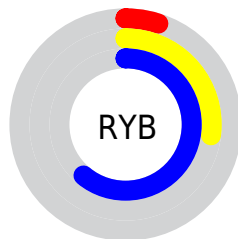
The XYZ color **11.3208, 12.7939, 33.3253** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **15.5622, 10.6550, 1.6181**, and the grayscale version is **8.3461, 8.7808, 9.5623**.

A 20% lighter version of the original color is **27.9347, 30.9409, 66.1279**, and **4.0627, 4.1274, 13.6792** is the 20% darker color. If you saturate the color by 10%, you get **10.6978, 11.7944, 33.1655**, and if you desaturate by 10%, it is **12.2314, 14.1248, 33.5345**.

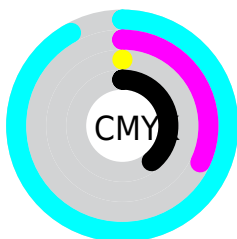
Distribution



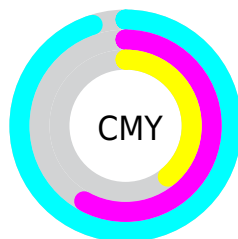
- Red (5%)
- Green (42%)
- Blue (61%)



- Red (5%)
- Yellow (27%)
- Blue (61%)



- Cyan (92%)
- Magenta (32%)
- Yellow (0%)
- Black (39%)



- Cyan (95%)
- Magenta (58%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 11.3208, 12.7939, 33.3253 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 11.3208, 12.7939, 33.3253 by changing the saturation by 10% instead.

■ 11.3208, 12.7939,
33.3253

■ 11.3208, 12.7939,
33.3253

193.7186,
209.5925, 331.7899

■ 6.3519, 7.2868,
22.1026

■ 27.8796, 30.9330,
66.0049

■ 3.1029, 3.6421,
13.7333

■ 40.2002, 44.3338,
88.2989

■ 1.2084, 1.4754,
7.7988

■ 55.7021, 61.1346,
115.1205

■ 0.1130, 0.2713,
3.8805

■ 74.7507, 81.7198,
146.8881

■ 0.0000, 0.0000,
1.5600

■ 97.7113, 106.4738,
184.0203

■ 0.0000, 0.0000,
0.2621

■ 124.9492,

■ 0.0000, 0.0000,

135.7810, 226.9356

0.0000

156.8299,
170.0258, 276.0526

■ 11.3208, 12.7939,
33.3253

■ 11.3208, 12.7939,
33.3253

■ 10.6978, 11.7944,
33.1655

■ 12.2314, 14.1248,
33.5345

■ 13.4003, 15.6429,
33.7659

■ 14.8585, 17.3650,
34.0214

■ 16.6320, 19.3056,
34.3025

■ 18.7435, 21.4772,
34.6104

■ 21.2135, 23.8913,
34.9462

■ 24.0610, 26.5584,
35.3109

■ 27.3032, 29.4884,
35.7056

■ 30.9564, 32.6904,
36.1311

Harmonies

Analogous

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



9.2275, 12.7939, 28.0502



11.3208, 12.7939, 33.3253



13.9599, 12.7939, 32.1613

Triad

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



11.3208, 12.7939, 33.3253



17.4840, 12.7939, 9.5677



8.7147, 12.7939, 6.6177

Complementary

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



11.3208, 12.7939, 33.3253



15.5622, 10.6550, 1.6181

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.



10.5223, 12.7939, 4.3479



11.3208, 12.7939, 33.3253



15.6565, 12.7939, 5.5818

Square

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



11.3208, 12.7939, 33.3253



17.7785, 12.7939, 16.5398



13.0401, 12.7939, 4.0519



7.8711, 12.7939, 11.6110

Rectangle

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



11.3208, 12.7939, 33.3253



15.6721, 12.7939, 28.0000



13.0401, 12.7939, 4.0519



9.2166, 12.7939, 5.5989

Sweetspot

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



11.3213, 12.7943, 33.3256



40.5731, 45.3300, 63.7379



12.8888, 24.1964, 8.3615



8.5839, 9.6492, 13.9804



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



11.3213, 12.7943, 33.3256



19.2400, 21.0414, 60.1741



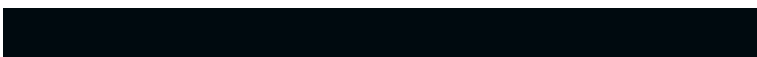
6.8242, 3.8002, 31.8266



6.6264, 7.1186, 8.4315



8.8450, 9.7815, 27.3291



0.1964, 0.2513, 0.5014

Inverse Universe

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



16.4562, 8.3971, 14.3894



29.1119, 14.5214, 23.3355



22.0578, 23.6462, 3.7833



6.8055, 6.7151, 7.8271



13.2627, 6.6097, 10.9005



0.2564, 0.1259, 0.2965

Previews

White Background



This preview shows how the XYZ color 11.3208, 12.7939, 33.3253 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 11.3208, 12.7939, 33.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

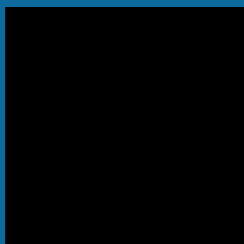
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 11.3208, 12.7939, 33.3253

Background



This preview shows how black text looks on a background with the XYZ color 11.3208, 12.7939, 33.3253.



This preview shows how white text looks on a background with the XYZ color 11.3208, 12.7939,

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

11.3208, 12.7939, 33.3253

Protanopia

13.2722, 12.6991, 30.1854

Deuteranopia

13.0269, 12.7776, 33.6780



Tritanopia

9.0142, 12.7008, 19.4292

Trichromacy



Original Color

11.3208, 12.7939, 33.3253

Protanomaly

12.0085, 12.4442, 31.4748

Deuteranomaly

12.0561, 12.5654, 33.6882

Tritanomaly

9.6961, 12.6355, 23.7577

Monochromacy



Original Color

11.3208, 12.7939, 33.3253

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

8.3865, 9.6796, 16.1782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 11.3208, 12.7939, 33.3253 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(13, 106, 156)` looks like.

```
.text, #text, p{  
    color:rgb(13, 106, 156)  
}
```

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(13, 106, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 106, 156) }
```

Border

The CSS property to change the border of an element to XYZ 11.3208, 12.7939, 33.3253 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(13, 106, 156) }
```


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

```
.border{ border-color:rgb(13, 106, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 106, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 106, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 106, 156);  
box-shadow:4px 4px 4px 4px rgb(13, 106,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 11.3208, 12.7939, 33.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 106, 156) }
```

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

```
.background{ background-color: rgb(13, 106,  
156) }
```

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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