

Converting Colors

XYZ(10.3104, 9.1979, 32.7677)

Have a look what the booklet for
XYZ(10.3104, 9.1979, 32.7677)
contains.

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Color

**XYZ(10.3129, 9.2152,
32.6876)**

Conversions

Conversions Part 1

Format	Color
Hex	30539C
RGB	48, 83, 156
RGB Percent	19%, 33%, 61%
CMY	0.8117, 0.6745, 0.3882
CMYK	0.69, 0.47, 0.00, 0.39
HSL	221°, 53%, 40%
HSV	221°, 69%, 61%
XYZ	10.3129, 9.2152, 32.6876
YIQ	80.8570, -44.2930, 15.2830

Conversions

Conversions Part 2

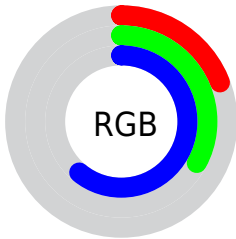
Format	Color
R _Y B	48, 74, 156
Decimal	3167132
CIE Lab	36.40, 12.64, -43.58
CIE LCh	36, 45.376, 286.171
Yxy	9.2152, 0.1975, 0.1765
Android (android.graphics.Color)	4281357212 (0xFF30539C)
YUV	80.8570, 37.0455, -28.8156
Hunter-Lab	30.3565, 7.5171, -42.5932




Details

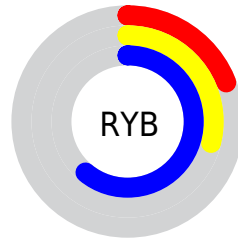
The XYZ color **10.3129, 9.2152, 32.6876** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **21.0820, 20.9574, 5.7310**, and the grayscale version is **7.7289, 8.1314, 8.8551**.




A 20% lighter version of the original color is **26.0725, 24.3315, 64.9503**, and **3.2242, 2.4505, 13.3998** is the 20% darker color. If you saturate the color by 10%, you get **8.9561, 7.4078, 32.4105**, and if you desaturate by 10%, it is **12.0520, 11.4020, 33.0182**.

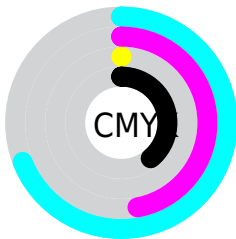
Distribution







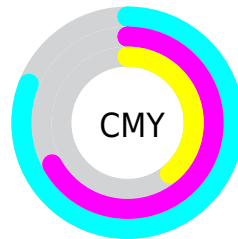
-  Red (19%)
-  Green (33%)
-  Blue (61%)






-  Red (19%)
-  Yellow (29%)
-  Blue (61%)



-  Cyan (69%)
-  Magenta (47%)
-  Yellow (0%)
-  Black (39%)



-  Cyan (81%)
-  Magenta (67%)
-  Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3129, 9.2152, 32.6876 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 10.3129, 9.2152, 32.6876 by changing the saturation by 10% instead.

■ 10.3129, 9.2152,
32.6876

■ 10.3129, 9.2152,
32.6876

186.8983,
184.9753, 328.8284

■ 5.6708, 4.8818,
21.6181

■ 26.0268, 24.3085,
64.9979

■ 2.6847, 2.1781,
13.3809

■ 37.8292, 35.8372,
87.0757

■ 0.9893, 0.7080,
7.5576

■ 52.7491, 50.5332,
113.6600

■ 0.0000, 0.0000,
3.7295

■ 71.1519, 68.7808,
145.1694

■ 0.0000, 0.0000,
1.4781

■ 93.4028, 90.9644,
182.0224

■ 0.0000, 0.0000,
0.2016

■ 119.8673,

■ 0.0000, 0.0000,

117.4684, 224.6376

0.0000

150.9106,
148.6772, 273.4334

■ 10.3129, 9.2152,
32.6876

■ 10.3129, 9.2152,
32.6876

■ 8.9561, 7.4078,
32.4105

■ 12.0520, 11.4020,
33.0182

■ 7.9463, 5.9533,
32.1829

■ 14.2018, 13.9903,
33.4045

■ 7.2158, 4.8079,
32.0003

■ 16.7892, 17.0014,
33.8494

■ 7.1651, 4.7289,
31.9878

■ 19.8383, 20.4544,
34.3552

■ 23.3714, 24.3675,
34.9242

■ 27.4092, 28.7575,
35.5588

■ 31.9714, 33.6406,
36.2609

■ 37.0763, 39.0321,
37.0325

■ 42.7415, 44.9464,
37.8754

Harmonies

Analogous

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



7.5565, 9.2152, 33.0403



10.3129, 9.2152, 32.6876



13.1461, 9.2152, 24.5690

Triad

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



10.3129, 9.2152, 32.6876



12.9471, 9.2152, 2.6013



4.5675, 9.2152, 6.8363

Complementary

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



10.3129, 9.2152, 32.6876



21.0820, 20.9574, 5.7310

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.



5.4755, 9.2152, 2.7830



10.3129, 9.2152, 32.6876



10.0823, 9.2152, 1.3488

Square

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



10.3129, 9.2152, 32.6876



14.8707, 9.2152, 6.3845



7.3692, 9.2152, 1.3912



4.6038, 9.2152, 14.8612

Rectangle

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



10.3129, 9.2152, 32.6876



14.5301, 9.2152, 17.4659



7.3692, 9.2152, 1.3912



4.7626, 9.2152, 5.0810

Sweetspot

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



10.3133, 9.2155, 32.6878



40.9675, 42.6297, 63.1959



16.4980, 25.7617, 21.8730



8.6485, 8.9761, 13.8471



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.



10.3133, 9.2155, 32.6878



15.1995, 11.9476, 58.6318



9.3051, 5.6731, 32.0572



6.4515, 6.7688, 8.3732



5.9305, 3.9526, 26.3576



0.1422, 0.1430, 0.4833

Inverse Universe

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



16.3289, 9.8069, 9.2161



27.3197, 14.7512, 10.9795



22.9036, 29.3939, 7.2634



6.7172, 6.6798, 7.3622



11.7917, 6.0212, 3.1539



0.2291, 0.1150, 0.1525

Previews

White Background



This preview shows how the XYZ color 10.3129, 9.2152, 32.6876 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 10.3129, 9.2152, 32.6876 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 10.3129, 9.2152, 32.6876

Background



This preview shows how black text looks on a background with the XYZ color 10.3129, 9.2152, 32.6876.



This preview shows how white text looks on a background with the XYZ color 10.3129, 9.2152,

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

10.3129, 9.2152, 32.6876

Protanopia

10.3606, 9.2398, 32.6899

Deuteranopia

9.2409, 9.1495, 31.8508



Tritanopia

6.4905, 9.1437, 13.9932

Trichromacy



Original Color

10.3129, 9.2152, 32.6876

Protanomaly

10.3606, 9.2398, 32.6899

Deuteranomaly

9.4753, 9.1413, 32.2754

Tritanomaly

7.4851, 9.0065, 19.7563

Monochromacy



Original Color

10.3129, 9.2152, 32.6876

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

8.1783, 8.3825, 15.3743

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3129, 9.2152, 32.6876 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(48, 83, 156)` looks like.

```
.text, #text, p{  
    color:rgb(48, 83, 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(48, 83, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 83, 156) }
```

Border

The CSS property to change the border of an element to XYZ 10.3129, 9.2152, 32.6876 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(48, 83, 156) }
```


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

```
.border{ border-color:rgb(48, 83, 156) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 83, 156)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 83, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 83, 156);  
box-shadow:4px 4px 4px 4px rgb(48, 83,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3129, 9.2152, 32.6876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 83, 156) }
```

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

```
.background{ background-color: rgb(48, 83,  
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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