

Converting Colors

XYZ(10.2680, 18.6973, 5.6296)

Have a look what the booklet for
XYZ(10.2680, 18.6973, 5.6296)
contains.

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Color

**XYZ(10.3092, 18.7493,
5.6604)**

Conversions

Conversions Part 1

Format	Color
Hex	248A2E
RGB	36, 138, 46
RGB Percent	14%, 54%, 18%
CMY	0.8588, 0.4588, 0.8196
CMYK	0.74, 0.00, 0.67, 0.46
HSL	126°, 59%, 34%
HSV	126°, 74%, 54%
XYZ	10.3092, 18.7493, 5.6604
YIQ	97.0140, -31.2600, -50.2360

Conversions

Conversions Part 2

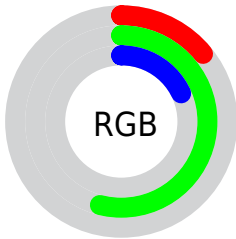
Format	Color
RYB	36, 129, 138
Decimal	2394670
CIELab	50.39, -47.72, 39.83
CIElCh	50, 62.159, 140.155
Yxy	18.7493, 0.2969, 0.5400
Android (android.graphics.Color)	4280584750 (0xFF248A2E)
YUV	97.0140, -25.1499, -53.5093
Hunter-Lab	43.3005, -33.2776, 22.5597

Details

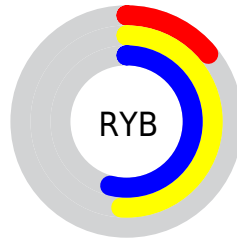
The XYZ color **10.3092, 18.7493, 5.6604** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **15.0089, 8.2239, 21.2187**, and the grayscale version is **11.4316, 12.0269, 13.0973**.

A 20% lighter version of the original color is **25.8907, 41.0852, 17.6320**, and **3.4082, 6.8164, 1.1361** is the 20% darker color. If you saturate the color by 10%, you get **9.7065, 18.4635, 4.5322**, and if you desaturate by 10%, it is **11.1697, 19.1609, 7.1730**.

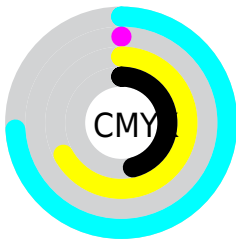
Distribution



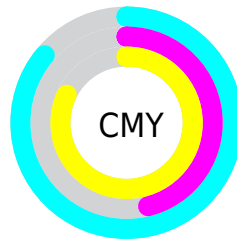
- Red (14%)
- Green (54%)
- Blue (18%)



- Red (14%)
- Yellow (51%)
- Blue (54%)



- Cyan (74%)
- Magenta (0%)
- Yellow (67%)
- Black (46%)



- Cyan (86%)
- Magenta (46%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3092, 18.7493, 5.6604 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 10.3092, 18.7493, 5.6604 by changing the saturation by 10% instead.

■ 10.3092, 18.7493,
5.6604

■ 10.3092, 18.7493,
5.6604

186.8727,
245.0612, 165.2003

■ 5.6683, 11.4893,
2.5743

■ 26.0199, 41.3100,
17.6872

■ 2.6832, 6.3969,
0.8791

■ 37.8204, 57.3795,
27.4649

■ 0.9885, 3.0879,
0.0000

■ 52.7381, 77.1543,
40.3103

■ 0.0000, 1.1778,
0.0000

■ 71.1384, 101.0188,
56.6418

■ 0.0000, 0.0435,
0.0000

■ 93.3867, 129.3573,
76.8780

■ 0.0000, 0.0000,
0.0000

■ 119.8483,

162.5543, 101.4375

150.8885,
200.9941, 130.7387

■ 10.3092, 18.7493,
5.6604

■ 10.3092, 18.7493,
5.6604

■ 9.7065, 18.4635,
4.5322

■ 11.1697, 19.1609,
7.1730

■ 9.3304, 18.2865,
3.7526

■ 12.3114, 19.7080,
9.0991

■ 9.1650, 18.2082,
3.4305

■ 13.7566, 20.4021,
11.4664

■ 15.5249, 21.2528,
14.3000

■ 17.6343, 22.2689,
17.6228

■ 20.1015, 23.4585,
21.4566

■ 22.9420, 24.8291,
25.8216

■ 26.1704, 26.3880,
30.7370

■ 29.8006, 28.1418,
36.2210

Harmonies

Analogous

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



14.1116, 18.7493, 2.4052



10.3092, 18.7493, 5.6604



8.6532, 18.7493, 15.2399

Triad

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



10.3092, 18.7493, 5.6604



15.9079, 18.7493, 73.8390



31.0958, 18.7493, 10.9663

Complementary

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



10.3092, 18.7493, 5.6604



15.0089, 8.2239, 21.2187

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.



31.8851, 18.7493, 26.6457



10.3092, 18.7493, 5.6604



22.1286, 18.7493, 70.2543

Square

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



10.3092, 18.7493, 5.6604



11.3679, 18.7493, 58.0732



28.3057, 18.7493, 49.9963



26.3443, 18.7493, 4.0471

Rectangle

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



10.3092, 18.7493, 5.6604



8.6600, 18.7493, 26.8573



28.3057, 18.7493, 49.9963



31.8690, 18.7493, 15.0949

Sweetspot

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



10.3096, 18.7501, 5.6608



31.6700, 39.5345, 31.9804



18.5371, 23.0117, 5.1338



6.8962, 8.7675, 6.8491



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.



10.3096, 18.7501, 5.6608



16.6077, 32.3077, 6.9674



11.9049, 19.3882, 14.0613



4.9905, 5.6157, 5.4710



8.4055, 16.6948, 3.1602



0.0581, 0.1118, 0.0329

Inverse Universe

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



15.0089, 8.2239, 21.2187



25.3227, 12.6533, 35.7216



12.5058, 7.2226, 8.0374



5.2131, 5.1207, 6.2105



12.9756, 6.3004, 18.1738



0.0890, 0.0430, 0.1357

Previews

White Background



This preview shows how the XYZ color 10.3092, 18.7493, 5.6604 looks on a white 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

Black Background



This preview shows how the XYZ color 10.3092, 18.7493, 5.6604 looks on a black 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

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

XYZ 10.3092, 18.7493, 5.6604

Background



This preview shows how black text looks on a background with the XYZ color 10.3092, 18.7493, 5.6604.



This preview shows how white text looks on a background with the XYZ color 10.3092, 18.7493,

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

10.3092, 18.7493, 5.6604

Protanopia

16.6699, 18.3403, 4.7593

Deuteranopia

18.6036, 18.2796, 6.0378



Tritanopia

14.6904, 18.6884, 27.2591

Trichromacy



Original Color

10.3092, 18.7493, 5.6604

Protanomaly

12.9339, 17.6928, 5.0189

Deuteranomaly

13.6205, 17.2839, 5.7502

Tritanomaly

12.3224, 18.3067, 16.2487

Monochromacy



Original Color

10.3092, 18.7493, 5.6604

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

10.0710, 13.6343, 9.3086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3092, 18.7493, 5.6604 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(36, 138, 46)` looks like.

```
.text, #text, p{  
    color:rgb(36, 138, 46)  
}
```

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(36, 138, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 138, 46) }
```

Border

The CSS property to change the border of an element to XYZ 10.3092, 18.7493, 5.6604 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(36, 138, 46) }
```


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

```
.border{ border-color:rgb(36, 138, 46) }
```

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

Here you see how a box with a 4 pixel rgb(36, 138, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 138, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 138, 46);  
box-shadow:4px 4px 4px 4px rgb(36, 138,  
46) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3092, 18.7493, 5.6604 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 138, 46) }
```

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

```
.background{ background-color: rgb(36, 138,  
46) }
```

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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