

Converting Colors

XYZ(10.3851, 13.1578, 2.7683)

Have a look what the booklet for
XYZ(10.3851, 13.1578, 2.7683)
contains.

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Color

**XYZ(10.3323, 13.1147,
2.7459)**

Conversions

Conversions Part 1

Format	Color
Hex	616B16
RGB	97, 107, 22
RGB Percent	38%, 42%, 9%
CMY	0.6196, 0.5804, 0.9137
CMYK	0.09, 0.00, 0.79, 0.58
HSL	67°, 66%, 25%
HSV	67°, 79%, 42%
XYZ	10.3323, 13.1147, 2.7459
YIQ	94.3200, 21.3250, -28.5550

Conversions

Conversions Part 2

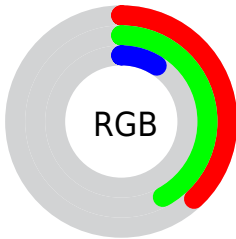
Format	Color
R_{YB}	22, 107, 32
Decimal	6384406
CIE _{Lab}	42.94, -15.40, 42.96
CIE _{LCh}	43, 45.641, 109.725
Y _{xy}	13.1147, 0.3945, 0.5007
Android (android.graphics.Color)	4284574486 (0xFF616B16)
YUV	94.3200, -35.6538, 2.3504
Hunter-Lab	36.2142, -12.4470, 20.8544

Details

The XYZ color **10.3323, 13.1147, 2.7459** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.5368, 1.9427, 14.0993**, and the grayscale version is **10.7940, 11.3561, 12.3668**.

A 20% lighter version of the original color is **26.0071, 31.4188, 10.9970**, and **2.8348, 3.8601, 0.5957** is the 20% darker color. If you saturate the color by 10%, you get **10.1168, 13.0136, 2.3046**, and if you desaturate by 10%, it is **10.5934, 13.2352, 3.4135**.

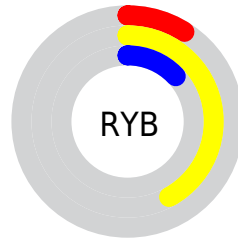
Distribution



 Red (38%)


 Green (42%)

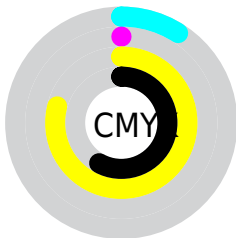
 Blue (9%)




 Red (9%)

 Yellow (42%)

 Blue (13%)

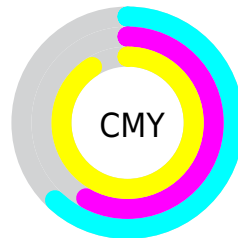


 Cyan (9%)

 Magenta (0%)

 Yellow (79%)

 Black (58%)



 Cyan (62%)

 Magenta (58%)

 Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3323, 13.1147, 2.7459 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 10.3323, 13.1147, 2.7459 by changing the saturation by 10% instead.

■ 10.3323, 13.1147,
2.7459

■ 10.3323, 13.1147,
2.7459

187.0321,
211.6515, 133.0555

■ 5.6838, 7.5076,
0.9664

■ 26.0627, 31.5097,
10.9947

■ 2.6926, 3.7815,
0.0000

■ 37.8753, 45.0664,
18.3011

■ 0.9934, 1.5521,
0.0000

■ 52.8067, 62.0416,
28.2869

■ 0.0000, 0.3250,
0.0000

■ 71.2221, 82.8200,
41.3706

■ 0.0000, 0.0000,
0.0000

■ 93.4870, 107.7857,
57.9708

■ 119.9668,

137.3233, 78.5059

151.0267,
171.8171, 103.3947

10.3323, 13.1147,
2.7459

10.3323, 13.1147,
2.7459

10.1168, 13.0136,
2.3046

10.5934, 13.2352,
3.4135

9.9269, 12.9225,
1.9884

10.9039, 13.3753,
4.3316

9.9163, 12.9174,
1.9707

11.2683, 13.5372,
5.5220

11.6902, 13.7223,
7.0040

12.1729, 13.9320,
8.7952

■ 12.7196, 14.1676,
10.9118

■ 13.3331, 14.4301,
13.3688

■ 14.0161, 14.7207,
16.1803

■ 14.7712, 15.0403,
19.3597

Harmonies

Analogous

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



13.7024, 13.1147, 2.4815



10.3323, 13.1147, 2.7459



8.0097, 13.1147, 5.1030

Triad

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



10.3323, 13.1147, 2.7459



8.6067, 13.1147, 34.5654



20.3135, 13.1147, 17.9943

Complementary

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



10.3323, 13.1147, 2.7459



3.5368, 1.9427, 14.0993

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.



18.3258, 13.1147, 30.6800



10.3323, 13.1147, 2.7459



11.3047, 13.1147, 42.8130

Square

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



10.3323, 13.1147, 2.7459



7.1500, 13.1147, 21.8080



14.8730, 13.1147, 41.1297



19.9194, 13.1147, 8.7203

Rectangle

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



10.3323, 13.1147, 2.7459



7.1653, 13.1147, 8.5959



14.8730, 13.1147, 41.1297



19.8893, 13.1147, 22.0391

Sweetspot

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



10.3326, 13.1153, 2.7462



22.2473, 25.1407, 17.4772



6.7230, 4.2127, 1.2180



5.3212, 6.0577, 3.9855



54.2243, 57.0482, 62.1254



6.0569, 6.3724, 6.9395

Same Dimension

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



10.3326, 13.1153, 2.7462



17.8479, 23.1724, 3.7334



6.9559, 11.3745, 2.5881



3.2998, 3.5664, 3.3319



12.0469, 15.7056, 2.3965



60.9083, 79.7815, 12.1892

Inverse Universe

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



3.5368, 1.9427, 14.0993



5.1745, 2.2316, 25.0657



5.7975, 3.1081, 14.2051



2.9785, 3.0407, 3.8648



3.4066, 1.3832, 17.0097



16.9522, 6.8388, 86.6527

Previews

White Background



This preview shows how the XYZ color 10.3323, 13.1147, 2.7459 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 10.3323, 13.1147, 2.7459 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 10.3323, 13.1147, 2.7459

Background



This preview shows how black text looks on a background with the XYZ color 10.3323, 13.1147, 2.7459.



This preview shows how white text looks on a background with the XYZ color 10.3323, 13.1147,

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

10.3323, 13.1147, 2.7459

Protanopia

11.8262, 13.1343, 2.6213

Deuteranopia

13.1449, 12.9616, 2.9076



Tritanopia

13.0896, 13.2003, 16.0454

Trichromacy



Original Color

10.3323, 13.1147, 2.7459

Protanomaly

11.2700, 13.1429, 2.6523

Deuteranomaly

11.9461, 12.9019, 2.8380

Tritanomaly

11.6693, 13.0611, 8.9272

Monochromacy



Original Color

10.3323, 13.1147, 2.7459

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.2245, 11.7739, 7.2025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3323, 13.1147, 2.7459 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(97, 107, 22)` looks like.

```
.text, #text, p{  
    color:rgb(97, 107, 22)  
}
```

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(97, 107, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 107, 22) }
```

Border

The CSS property to change the border of an element to XYZ 10.3323, 13.1147, 2.7459 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(97, 107, 22) }
```


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

```
.border{ border-color:rgb(97, 107, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 107, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 107, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 107, 22);  
box-shadow:4px 4px 4px 4px rgb(97, 107,  
22) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3323, 13.1147, 2.7459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 107, 22) }
```

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

```
.background{ background-color: rgb(97, 107,  
22) }
```

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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