

Converting Colors

XYZ(10.2852, 13.0924, 2.7148)

Have a look what the booklet for
XYZ(10.2852, 13.0924, 2.7148)
contains.

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Color

**XYZ(10.3228, 13.1109,
2.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	616B15
RGB	97, 107, 21
RGB Percent	38%, 42%, 8%
CMY	0.6196, 0.5804, 0.9176
CMYK	0.09, 0.00, 0.80, 0.58
HSL	67°, 67%, 25%
HSV	67°, 80%, 42%
XYZ	10.3228, 13.1109, 2.6961
YIQ	94.2060, 21.6460, -28.8660

Conversions

Conversions Part 2

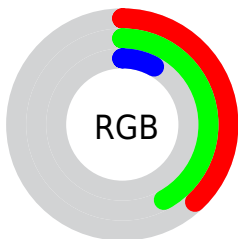
Format	Color
R_{YB}	21, 107, 31
Decimal	6384405
CIE _{Lab}	42.93, -15.45, 43.31
CIE _{LCh}	43, 45.984, 109.636
Yxy	13.1109, 0.3951, 0.5018
Android (android.graphics.Color)	4284574485 (0xFF616B15)
YUV	94.2060, -36.0906, 2.4503
Hunter-Lab	36.2090, -12.4772, 20.9316

Details

The XYZ color **10.3228, 13.1109, 2.6961** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **3.4875, 1.8895, 14.0916**, and the grayscale version is **10.7677, 11.3285, 12.3367**.

A 20% lighter version of the original color is **25.9742, 31.4056, 10.8238**, and **2.8348, 3.8601, 0.5957** is the 20% darker color. If you saturate the color by 10%, you get **10.1126, 13.0121, 2.2745**, and if you desaturate by 10%, it is **10.5781, 13.2289, 3.3415**.

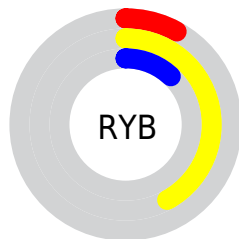
Distribution



Red (38%)

Green (42%)

Blue (8%)



Red (8%)

Yellow (42%)

Blue (12%)

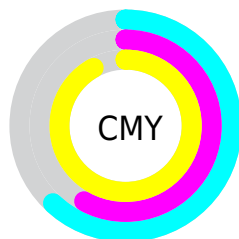


Cyan (9%)

Magenta (0%)

Yellow (80%)

Black (58%)



Cyan (62%)

Magenta (58%)

Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3228, 13.1109, 2.6961 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 10.3228, 13.1109, 2.6961 by changing the saturation by 10% instead.

■ 10.3228, 13.1109,
2.6961

■ 10.3228, 13.1109,
2.6961

186.9666,
211.6272, 132.3906

■ 5.6774, 7.5050,
0.9415

■ 26.0451, 31.5029,
10.8689

■ 2.6887, 3.7799,
0.0000

■ 37.8527, 45.0577,
18.1242

■ 0.9914, 1.5512,
0.0000

■ 52.7785, 62.0309,
28.0504

■ 0.0000, 0.3244,
0.0000

■ 71.1877, 82.8070,
41.0657

■ 0.0000, 0.0000,
0.0000

■ 93.4458, 107.7702,
57.5889

■ 119.9181,

137.3051, 78.0384

150.9699,
171.7960, 102.8328

10.3228, 13.1109,
2.6961

10.3228, 13.1109,
2.6961

10.1126, 13.0121,
2.2745

10.5781, 13.2289,
3.3415

9.9313, 12.9252,
1.9714

10.8824, 13.3663,
4.2351

11.2401, 13.5253,
5.3991

11.6549, 13.7074,
6.8531

12.1302, 13.9140,
8.6146

■ 12.6692, 14.1462,
10.7001

■ 13.2747, 14.4053,
13.1246

■ 13.9494, 14.6924,
15.9024

■ 14.6958, 15.0084,
19.0468

Harmonies

Analogous

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



13.7191, 13.1109, 2.4379



10.3228, 13.1109, 2.6961



7.9834, 13.1109, 5.0425

Triad

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



10.3228, 13.1109, 2.6961



8.5722, 13.1109, 34.7220



20.3748, 13.1109, 18.0541

Complementary

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



10.3228, 13.1109, 2.6961



3.4875, 1.8895, 14.0916

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.



18.3622, 13.1109, 30.8673



10.3228, 13.1109, 2.6961



11.2832, 13.1109, 43.0896

Square

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



10.3228, 13.1109, 2.6961



7.1124, 13.1109, 21.8297



14.8769, 13.1109, 41.4180



19.9843, 13.1109, 8.7026

Rectangle

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



10.3228, 13.1109, 2.6961



7.1326, 13.1109, 8.5372



14.8769, 13.1109, 41.4180



19.9441, 13.1109, 22.1383

Sweetspot

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



10.3231, 13.1115, 2.6964



22.2548, 25.1445, 17.4775



6.6535, 4.0888, 1.1482



5.3232, 6.0587, 3.9856



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.



10.3231, 13.1115, 2.6964



17.8429, 23.1707, 3.6931



6.9912, 11.3938, 2.5404



3.3002, 3.5666, 3.3319



12.0653, 15.7151, 2.3974



61.0069, 79.8323, 12.1938

Inverse Universe

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



3.4875, 1.8895, 14.0916



5.1280, 2.1850, 25.0592



5.6399, 2.9991, 14.1923



2.9781, 3.0405, 3.8648



3.4042, 1.3820, 17.0096



16.9429, 6.8340, 86.6523

Previews

White Background



This preview shows how the XYZ color 10.3228, 13.1109, 2.6961 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 10.3228, 13.1109, 2.6961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

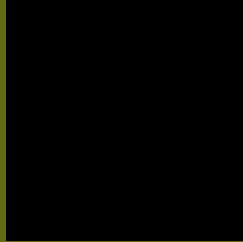
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.3228, 13.1109, 2.6961

Background



This preview shows how black text looks on a background with the XYZ color 10.3228, 13.1109, 2.6961.



This preview shows how white text looks on a background with the XYZ color 10.3228, 13.1109,

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

10.3228, 13.1109, 2.6961

Protanopia

11.8171, 13.1307, 2.5735

Deuteranopia

13.1331, 12.9569, 2.8457



Tritanopia

13.0367, 13.1791, 15.7666

Trichromacy



Original Color

10.3228, 13.1109, 2.6961

Protanomaly

11.2609, 13.1393, 2.6044

Deuteranomaly

11.9351, 12.8975, 2.7801

Tritanomaly

11.6342, 13.0471, 8.7426

Monochromacy



Original Color

10.3228, 13.1109, 2.6961

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.1943, 11.7618, 7.0432

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3228, 13.1109, 2.6961 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, 21)` looks like.

```
.text, #text, p{  
    color:rgb(97, 107, 21)  
}
```

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, 21) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 107, 21) }
```

Border

The CSS property to change the border of an element to XYZ 10.3228, 13.1109, 2.6961 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, 21) }
```


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

```
.border{ border-color:rgb(97, 107, 21) }
```

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, 21) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 107, 21); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 107, 21);  
box-shadow:4px 4px 4px 4px rgb(97, 107,  
21) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3228, 13.1109, 2.6961 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, 21) }
```

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

```
.background{ background-color: rgb(97, 107,  
21) }
```

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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