

Converting Colors

XYZ(10.3445, 12.1304, 15.7337)

Have a look what the booklet for
XYZ(10.3445, 12.1304, 15.7337)
contains.

XYZ(10.3069, 12.0601, 15.6945)	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(10.3069, 12.0601,
15.6945)**

Conversions

Conversions Part 1

Format	Color
Hex	4B666B
RGB	75, 102, 107
RGB Percent	29%, 40%, 42%
CMY	0.7059, 0.6000, 0.5804
CMYK	0.30, 0.05, 0.00, 0.58
HSL	189°, 18%, 36%
HSV	189°, 30%, 42%
XYZ	10.3069, 12.0601, 15.6945
YIQ	94.4970, -17.6970, -4.1690

Conversions

Conversions Part 2

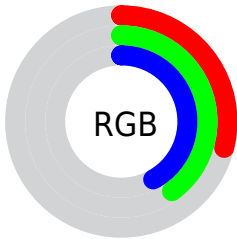
Format	Color
R_{YB}	75, 90, 107
Decimal	4941419
CIE Lab	41.31, -8.60, -6.05
CIE LCh	41, 10.515, 215.133
Yxy	12.0601, 0.2708, 0.3169
Android (android.graphics.Color)	4283131499 (0xFF4B666B)
YUV	94.4970, 6.1640, -17.0989
Hunter-Lab	34.7277, -7.7960, -2.4856

Details

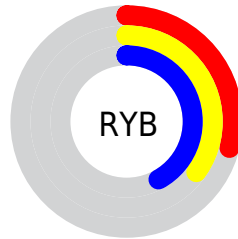
The XYZ color **10.3069, 12.0601, 15.6945** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **10.2023, 9.3714, 7.9282**, and the grayscale version is **10.7463, 11.3059, 12.3122**.

A 20% lighter version of the original color is **26.0202, 29.6111, 36.6918**, and **2.6885, 3.3198, 4.7741** is the 20% darker color. If you saturate the color by 10%, you get **9.3768, 11.3395, 15.6046**, and if you desaturate by 10%, it is **11.3818, 12.8609, 15.7926**.

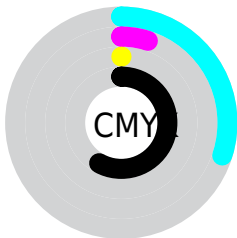
Distribution



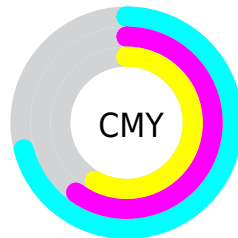
- Red (29%)
- Green (40%)
- Blue (42%)



- Red (29%)
- Yellow (35%)
- Blue (42%)



- Cyan (30%)
- Magenta (5%)
- Yellow (0%)
- Black (58%)



- Cyan (71%)
- Magenta (60%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3069, 12.0601, 15.6945 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 10.3069, 12.0601, 15.6945 by changing the saturation by 10% instead.

■ 10.3069, 12.0601,
15.6945

■ 10.3069, 12.0601,
15.6945

186.8569,
204.8028, 239.3161

■ 5.6667, 6.7846,
9.1562

■ 26.0156, 29.6045,
36.8264

■ 2.6822, 3.3278,
4.7450

■ 37.8149, 42.6422,
52.2571

■ 0.9880, 1.3052,
2.0423

■ 52.7313, 59.0362,
71.4891

■ 0.0000, 0.1452,
0.5811

■ 71.1301, 79.1707,
94.9408

■ 0.0000, 0.0000,
0.0000

■ 93.3767, 103.4303,
123.0308

119.8365,

132.1992, 156.1776

150.8747,
165.8619, 194.7999

■ 10.3069, 12.0601,
15.6945

■ 10.3069, 12.0601,
15.6945

■ 9.3768, 11.3395,
15.6046

■ 11.3818, 12.8609,
15.7926

■ 8.5835, 10.6940,
15.5218

■ 12.6070, 13.7438,
15.8985

■ 7.9195, 10.1200,
15.4461

■ 13.9891, 14.7126,
16.0126

■ 7.3765, 9.6132,
15.3769

■ 15.5338, 15.7702,
16.1353

■ 6.9450, 9.1687,
15.3138

■ 17.2466, 16.9195,
16.2669

■ 6.6140, 8.7808,
15.2564

■ 19.1329, 18.1633,
16.4076

■ 6.3367, 8.4253,
15.2024

■ 21.1976, 19.5041,
16.5575

■ 6.3341, 8.4219,
15.2019

■ 23.4455, 20.9445,
16.7171

■ 25.8813, 22.4869,
16.8864

Harmonies

Analogous

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



10.0659, 12.0601, 13.5100



10.3069, 12.0601, 15.6945



10.8582, 12.0601, 17.3137

Triad

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



10.3069, 12.0601, 15.6945



12.8427, 12.0601, 14.9742



11.3323, 12.0601, 9.3831

Complementary

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



10.3069, 12.0601, 15.6945



10.2023, 9.3714, 7.9282

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.



12.0894, 12.0601, 9.6835



10.3069, 12.0601, 15.6945



12.9833, 12.0601, 12.7599

Square

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



10.3069, 12.0601, 15.6945



12.3259, 12.0601, 16.8667



12.7020, 12.0601, 10.8637



10.6409, 12.0601, 9.9928

Rectangle

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



10.3069, 12.0601, 15.6945



11.3390, 12.0601, 17.7667



12.7020, 12.0601, 10.8637



11.5874, 12.0601, 9.3818

Sweetspot

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



10.3073, 12.0606, 15.6948



22.7267, 24.7180, 28.4809



9.6003, 12.5878, 9.4748



5.4362, 5.9369, 6.8882



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.



10.3073, 12.0606, 15.6948



17.2457, 20.6634, 27.9872



8.8996, 9.2454, 15.2256



3.1436, 3.4154, 3.9284



7.6880, 10.2103, 18.4878



38.6563, 50.9911, 94.0311

Inverse Universe

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



10.9781, 9.1177, 13.7521



18.6830, 14.5450, 23.7827



11.4983, 11.9634, 8.3602



3.1983, 3.1562, 3.7743



9.6274, 4.7031, 12.1984



48.7947, 23.8598, 60.7808

Previews

White Background



This preview shows how the XYZ color 10.3069, 12.0601, 15.6945 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 10.3069, 12.0601, 15.6945 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 10.3069, 12.0601, 15.6945

Background



This preview shows how black text looks on a background with the XYZ color 10.3069, 12.0601, 15.6945.



This preview shows how white text looks on a background with the XYZ color 10.3069, 12.0601,

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

10.3069, 12.0601, 15.6945

Protanopia

11.7031, 12.0903, 14.8135

Deuteranopia

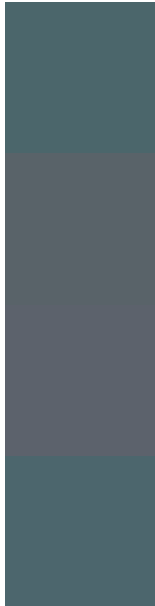
12.2194, 12.0552, 16.1509



Tritanopia

10.5463, 12.1650, 16.5441

Trichromacy



Original Color

10.3069, 12.0601, 15.6945

Protanomaly

11.1315, 12.0674, 15.1072

Deuteranomaly

11.4881, 12.0934, 15.9161

Tritanomaly

10.4922, 12.1434, 16.2589

Monochromacy



Original Color

10.3069, 12.0601, 15.6945

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

10.4573, 11.4765, 13.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3069, 12.0601, 15.6945 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(75, 102, 107)` looks like.

```
.text, #text, p{  
  color:rgb(75, 102, 107)  
}
```

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(75, 102, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 102, 107) }
```

Border

The CSS property to change the border of an element to XYZ 10.3069, 12.0601, 15.6945 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(75, 102, 107) }
```


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

```
.border{ border-color:rgb(75, 102, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 102, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 102, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 102, 107);  
box-shadow:4px 4px 4px 4px rgb(75, 102,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3069, 12.0601, 15.6945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 102, 107) }
```

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

```
.background{ background-color: rgb(75, 102,  
107) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor