

Converting Colors

XYZ(12.1287, 17.2932, 4.3516)

Have a look what the booklet for
XYZ(12.1287, 17.2932, 4.3516)
contains.

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Color

**XYZ(12.0937, 17.2732,
4.3657)**

Conversions

Conversions Part 1

Format	Color
Hex	5B7E24
RGB	91, 126, 36
RGB Percent	36%, 49%, 14%
CMY	0.6431, 0.5059, 0.8588
CMYK	0.28, 0.00, 0.71, 0.51
HSL	83°, 56%, 32%
HSV	83°, 71%, 49%
XYZ	12.0937, 17.2732, 4.3657
YIQ	105.2750, 8.0300, -35.4100

Conversions

Conversions Part 2

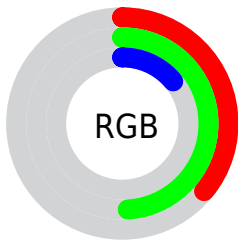
Format	Color
R_{YB}	36, 126, 71
Decimal	5996068
CIE Lab	48.60, -26.97, 42.93
CIE LCh	49, 50.702, 122.143
Yxy	17.2732, 0.3585, 0.5121
Android (android.graphics.Color)	4284186148 (0xFF5B7E24)
YUV	105.2750, -34.1526, -12.5192
Hunter-Lab	41.5610, -20.7907, 22.8647

Details

The XYZ color **12.0937, 17.2732, 4.3657** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **6.9959, 4.1081, 20.1638**, and the grayscale version is **13.5906, 14.2984, 15.5710**.

A 20% lighter version of the original color is **29.3014, 38.8414, 14.7569**, and **3.5289, 5.7589, 0.9256** is the 20% darker color. If you saturate the color by 10%, you get **11.4669, 16.9691, 3.5029**, and if you desaturate by 10%, it is **12.8207, 17.6222, 5.5877**.

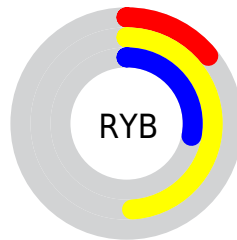
Distribution



Red (36%)

Green (49%)

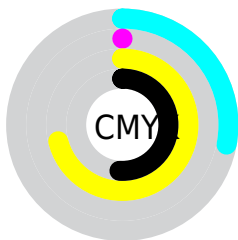
Blue (14%)



Red (14%)

Yellow (49%)

Blue (28%)

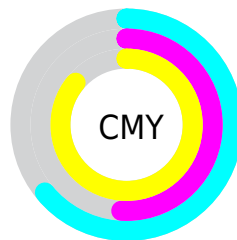


Cyan (28%)

Magenta (0%)

Yellow (71%)

Black (51%)



Cyan (64%)

Magenta (51%)

Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.0937, 17.2732, 4.3657 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 12.0937, 17.2732, 4.3657 by changing the saturation by 10% instead.

■ 12.0937, 17.2732,
4.3657

■ 12.0937, 17.2732,
4.3657

198.7819,
236.7419, 152.2073

■ 6.8802, 10.4295,
1.8280

■ 29.2810, 38.7949,
14.8448

■ 3.4329, 5.6846,
0.4464

■ 41.9855, 54.2417,
23.6232

■ 1.3866, 2.6543,
0.0000

■ 57.9178, 73.3249,
35.3191

■ 0.2467, 0.9540,
0.0000

■ 77.4430, 96.4290,
50.3508

■ 0.0000, 0.0000,
0.0000

■ 100.9267,
123.9383, 69.1369

■ 128.7342,

156.2373, 92.0960

161.2308,
193.7104, 119.6466

■ 12.0937, 17.2732,
4.3657

■ 12.0937, 17.2732,
4.3657

■ 11.4669, 16.9691,
3.5029

■ 12.8207, 17.6222,
5.5877

■ 10.9309, 16.7043,
2.9588

■ 13.6536, 18.0168,
7.2016

■ 10.5216, 16.5001,
2.6303

■ 14.5991, 18.4601,
9.2376

■ 15.6628, 18.9546,
11.7227

■ 16.8500, 19.5023,
14.6817

■ 18.1656, 20.1054,
18.1373

■ 19.6141, 20.7657,
22.1111

■ 21.1998, 21.4849,
26.6233

■ 22.9269, 22.2649,
31.6929

Harmonies

Analogous

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



16.0846, 17.2732, 3.0466



12.0937, 17.2732, 4.3657



9.6968, 17.2732, 9.1781

Triad

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



12.0937, 17.2732, 4.3657



12.5736, 17.2732, 51.8791



27.1088, 17.2732, 17.8635

Complementary

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



12.0937, 17.2732, 4.3657



6.9959, 4.1081, 20.1638

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.



25.6912, 17.2732, 33.5423



12.0937, 17.2732, 4.3657



16.7553, 17.2732, 57.9180

Square

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



12.0937, 17.2732, 4.3657



9.9348, 17.2732, 36.0484



21.6660, 17.2732, 50.0131



25.2419, 17.2732, 8.1852

Rectangle

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



12.0937, 17.2732, 4.3657



9.0399, 17.2732, 15.5105



21.6660, 17.2732, 50.0131



27.0001, 17.2732, 22.5416

Sweetspot

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



12.0941, 17.2740, 4.3661



29.6444, 34.3203, 25.8059



11.1448, 9.0067, 2.8204



6.6333, 7.7561, 5.5906



60.6688, 63.8283, 69.5090



7.9400, 8.3535, 9.0970

Same Dimension

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



12.0941, 17.2740, 4.3661



19.5453, 29.5536, 5.4769



8.9292, 15.6424, 4.2180



4.5084, 4.9385, 4.6357



10.7889, 16.9243, 2.6981



0.0000, 0.0000, 0.0000

Inverse Universe

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



6.9959, 4.1081, 20.1638



10.0278, 4.8541, 35.1528



11.5336, 6.4474, 20.3762



4.2547, 4.2869, 5.4165



5.1585, 2.2130, 20.4052



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 12.0937, 17.2732, 4.3657 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 12.0937, 17.2732, 4.3657 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 12.0937, 17.2732, 4.3657

Background



This preview shows how black text looks on a background with the XYZ color 12.0937, 17.2732, 4.3657.



This preview shows how white text looks on a background with the XYZ color 12.0937, 17.2732,

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

12.0937, 17.2732, 4.3657

Protanopia

15.4585, 17.0384, 3.9128

Deuteranopia

17.3882, 17.0337, 4.5619



Tritanopia

15.7887, 17.3140, 22.5884

Trichromacy



Original Color

12.0937, 17.2732, 4.3657

Protanomaly

13.9558, 16.9540, 4.0503

Deuteranomaly

14.9712, 16.7746, 4.4562

Tritanomaly

13.8948, 17.0796, 13.1540

Monochromacy



Original Color

12.0937, 17.2732, 4.3657

Achromatopsia

13.4271, 14.1263, 15.3836

Achromatomaly

12.6086, 15.0988, 9.8392

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.0937, 17.2732, 4.3657 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(91, 126, 36)` looks like.

```
.text, #text, p{  
    color:rgb(91, 126, 36)  
}
```

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(91, 126, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 126, 36) }
```

Border

The CSS property to change the border of an element to XYZ 12.0937, 17.2732, 4.3657 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(91, 126, 36) }
```


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

```
.border{ border-color:rgb(91, 126, 36) }
```

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

Here you see how a box with a 4 pixel `rgb(91, 126, 36)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 126, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 126, 36);  
box-shadow:4px 4px 4px 4px rgb(91, 126,  
36) }
```

Background

The CSS property to change the background color of an element to XYZ 12.0937, 17.2732, 4.3657 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 126, 36) }
```

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

```
.background{ background-color: rgb(91, 126,  
36) }
```

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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