

Converting Colors

XYZ(12.2726, 16.3656, 6.2336)

Have a look what the booklet for
XYZ(12.2726, 16.3656, 6.2336)
contains.

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Color

**XYZ(12.2705, 16.3932,
6.2589)**

Conversions

Conversions Part 1

Format	Color
Hex	5F7938
RGB	95, 121, 56
RGB Percent	37%, 47%, 22%
CMY	0.6275, 0.5255, 0.7804
CMYK	0.21, 0.00, 0.54, 0.53
HSL	84°, 37%, 35%
HSV	84°, 54%, 47%
XYZ	12.2705, 16.3932, 6.2589
YIQ	105.8160, 5.3690, -25.7270

Conversions

Conversions Part 2

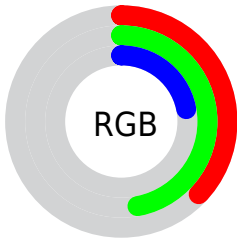
Format	Color
RYB	56, 121, 82
Decimal	6256952
CIELab	47.49, -20.94, 32.27
CIELCh	47, 38.473, 122.983
Yxy	16.3932, 0.3514, 0.4694
Android (android.graphics.Color)	4284447032 (0xFF5F7938)
YUV	105.8160, -24.5593, -9.4856
Hunter-Lab	40.4885, -16.7585, 19.1766

Details

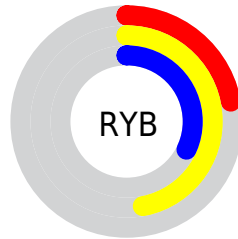
The XYZ color **12.2705, 16.3932, 6.2589** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **8.3458, 6.0032, 18.8090**, and the grayscale version is **13.7137, 14.4278, 15.7119**.

A 20% lighter version of the original color is **29.5260, 37.1101, 18.9714**, and **3.4879, 5.2331, 1.0560** is the 20% darker color. If you saturate the color by 10%, you get **11.5225, 16.0383, 4.8616**, and if you desaturate by 10%, it is **13.1222, 16.7943, 8.0353**.

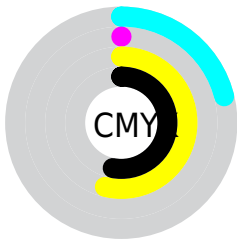
Distribution



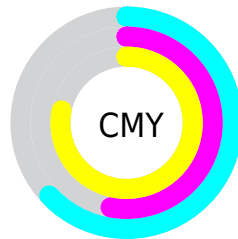
- Red (37%)
- Green (47%)
- Blue (22%)



- Red (22%)
- Yellow (47%)
- Blue (32%)



- Cyan (21%)
- Magenta (0%)
- Yellow (54%)
- Black (53%)



- Cyan (63%)
- Magenta (53%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 12.2705, 16.3932, 6.2589 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 12.2705, 16.3932, 6.2589 by changing the saturation by 10% instead.

■ 12.2705, 16.3932,
6.2589

■ 12.2705, 16.3932,
6.2589

199.9215,
231.6509, 170.7455

■ 7.0017, 9.8028,
2.9318

■ 29.5994, 37.2795,
18.9528

■ 3.5095, 5.2684,
1.0599

■ 42.3902, 52.3442,
29.1567

■ 1.4286, 2.4056,
0.0000

■ 58.4191, 71.0024,
42.4900

■ 0.2764, 0.8288,
0.0000

■ 78.0513, 93.6386,
59.3711

■ 0.0000, 0.0000,
0.0000

■ 101.6524,
120.6372, 80.2187

■ 129.5875,

152.3825, 105.4513

162.2221,
189.2589, 135.4874

■ 12.2705, 16.3932,
6.2589

■ 12.2705, 16.3932,
6.2589

■ 11.5225, 16.0383,
4.8616

■ 13.1222, 16.7943,
8.0353

■ 10.8711, 15.7249,
3.8146

■ 14.0815, 17.2417,
10.2146

■ 10.3101, 15.4513,
3.0870

■ 15.1539, 17.7379,
12.8199

■ 9.8311, 15.2138,
2.6367

■ 16.3437, 18.2850,
15.8723

■ 9.5549, 15.0762,
2.4064

■ 17.6552, 18.8845,
19.3916

■ 19.0924, 19.5383,
23.3961

■ 20.6592, 20.2479,
27.9035

■ 22.3592, 21.0147,
32.9302

■ 24.1957, 21.8403,
38.4923

Harmonies

Analogous

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



15.2418, 16.3932, 4.8792



12.2705, 16.3932, 6.2589



10.4293, 16.3932, 10.5921

Triad

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



12.2705, 16.3932, 6.2589



12.7825, 16.3932, 40.4147



23.1087, 16.3932, 16.8879

Complementary

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



12.2705, 16.3932, 6.2589



8.3458, 6.0032, 18.8090

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.



22.1997, 16.3932, 27.8369



12.2705, 16.3932, 6.2589



15.9257, 16.3932, 44.0142

Square

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



12.2705, 16.3932, 6.2589



10.6932, 16.3932, 30.1808



19.4396, 16.3932, 38.7495



21.7696, 16.3932, 9.4389

Rectangle

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



12.2705, 16.3932, 6.2589



9.9265, 16.3932, 15.6473



19.4396, 16.3932, 38.7495



23.0563, 16.3932, 20.2490

Sweetspot

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



12.2709, 16.3939, 6.2593



28.6732, 32.4700, 26.8755



11.6169, 10.3857, 5.1340



6.4767, 7.3878, 5.9397



59.0181, 62.0916, 67.6177



7.4413, 7.8288, 8.5256

Same Dimension

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



12.2709, 16.3939, 6.2593



20.4003, 28.6075, 8.3065



9.5699, 15.0015, 6.1328



4.1599, 4.5577, 4.2850



10.2261, 16.1490, 2.5781



47.7996, 76.5270, 12.2519

Inverse Universe

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



8.3458, 6.0032, 18.8090



12.6110, 7.9531, 33.2633



11.8707, 7.8203, 18.9740



3.9353, 3.9645, 5.0010



5.0132, 2.1571, 19.5374



23.0080, 9.8231, 93.1532

Previews

White Background



This preview shows how the XYZ color 12.2705, 16.3932, 6.2589 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 12.2705, 16.3932, 6.2589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

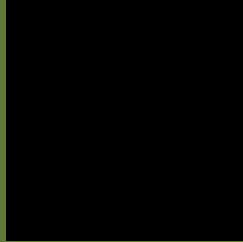
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 12.2705, 16.3932, 6.2589

Background



This preview shows how black text looks on a background with the XYZ color 12.2705, 16.3932, 6.2589.



This preview shows how white text looks on a background with the XYZ color 12.2705, 16.3932,

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

12.2705, 16.3932, 6.2589

Protanopia

14.8599, 16.3524, 5.7413

Deuteranopia

16.5545, 16.2449, 6.5380



Tritanopia

15.3014, 16.4077, 21.0994

Trichromacy



Original Color

12.2705, 16.3932, 6.2589

Protanomaly

13.7213, 16.2678, 5.9068

Deuteranomaly

14.6096, 16.0417, 6.4640

Tritanomaly

13.9802, 16.3901, 14.2312

Monochromacy



Original Color

12.2705, 16.3932, 6.2589

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

12.9254, 14.8982, 11.4269

CSS Examples

Text

The CSS property to change the color of the text to XYZ 12.2705, 16.3932, 6.2589 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(95, 121, 56) looks like.

```
.text, #text, p{  
    color:rgb(95, 121, 56)  
}
```

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(95, 121, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 121, 56) }
```

Border

The CSS property to change the border of an element to XYZ 12.2705, 16.3932, 6.2589 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(95, 121, 56) }
```


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

```
.border{ border-color:rgb(95, 121, 56) }
```

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

Here you see how a box with a 4 pixel rgb(95, 121, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 121, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 121, 56);  
box-shadow:4px 4px 4px 4px rgb(95, 121,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 12.2705, 16.3932, 6.2589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 121, 56) }
```

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

```
.background{ background-color: rgb(95, 121,  
56) }
```

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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