

Converting Colors

XYZ(10.3481, 12.1315, 5.7248)

Have a look what the booklet for
XYZ(10.3481, 12.1315, 5.7248)
contains.

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Color

**XYZ(10.3220, 12.1442,
5.6709)**

Conversions

Conversions Part 1

Format	Color
Hex	616539
RGB	97, 101, 57
RGB Percent	38%, 40%, 22%
CMY	0.6196, 0.6039, 0.7765
CMYK	0.04, 0.00, 0.44, 0.60
HSL	65°, 28%, 31%
HSV	65°, 44%, 40%
XYZ	10.3220, 12.1442, 5.6709
YIQ	94.7880, 11.7400, -14.5320

Conversions

Conversions Part 2

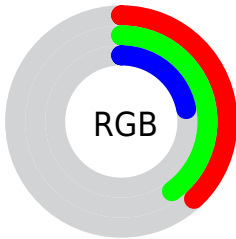
Format	Color
RYB	57, 101, 61
Decimal	6382905
CIELab	41.44, -9.06, 24.35
CIELCh	41, 25.982, 110.398
Yxy	12.1442, 0.3668, 0.4316
Android (android.graphics.Color)	4284572985 (0xFF616539)
YUV	94.7880, -18.6295, 1.9399
Hunter-Lab	34.8485, -8.1139, 14.7457

Details

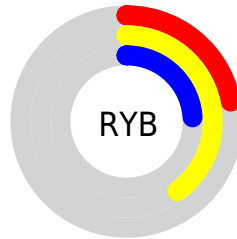
The XYZ color **10.3220, 12.1442, 5.6709** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **5.7370, 4.8582, 12.9480**, and the grayscale version is **10.8680, 11.4339, 12.4516**.

A 20% lighter version of the original color is **25.9908, 29.7723, 17.7414**, and **2.6584, 3.3204, 0.8815** is the 20% darker color. If you saturate the color by 10%, you get **9.9975, 12.0036, 4.4688**, and if you desaturate by 10%, it is **10.6984, 12.3066, 7.1377**.

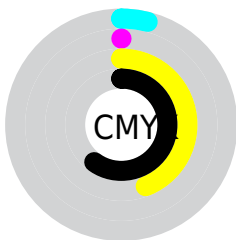
Distribution



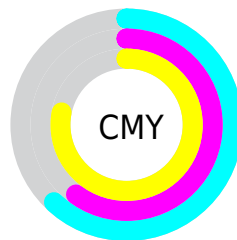
- Red (38%)
- Green (40%)
- Blue (22%)



- Red (22%)
- Yellow (40%)
- Blue (24%)



- Cyan (4%)
- Magenta (0%)
- Yellow (44%)
- Black (60%)



- Cyan (62%)
- Magenta (60%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.3220, 12.1442, 5.6709 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 10.3220, 12.1442, 5.6709 by changing the saturation by 10% instead.

■ 10.3220, 12.1442,
5.6709

■ 10.3220, 12.1442,
5.6709

186.9610,
205.3576, 165.2998

■ 5.6769, 6.8420,
2.5805

■ 26.0436, 29.7575,
17.7096

■ 2.6884, 3.3635,
0.8824

■ 37.8508, 42.8373,
27.4950

■ 0.9912, 1.3243,
0.0000

■ 52.7761, 59.2784,
40.3491

■ 0.0000, 0.1599,
0.0000

■ 71.1848, 79.4653,
56.6905

■ 0.0000, 0.0000,
0.0000

■ 93.4423, 103.7822,
76.9378

■ 119.9139,

132.6136, 101.5093

150.9651,
166.3440, 130.8238

■ 10.3220, 12.1442,
5.6709

■ 10.3220, 12.1442,
5.6709

■ 9.9975, 12.0036,
4.4688

■ 10.6984, 12.3066,
7.1377

■ 9.7210, 11.8819,
3.5150

■ 11.1285, 12.4901,
8.8829

■ 9.4895, 11.7783,
2.7921

■ 11.6153, 12.6965,
10.9201

■ 9.2992, 11.6913,
2.2806

■ 12.1610, 12.9265,
13.2619

■ 9.1439, 11.6185,
1.9473

■ 12.7679, 13.1812,
15.9202

■ 9.0491, 11.5737,
1.7570

■ 13.4382, 13.4614,
18.9061

■ 14.1739, 13.7678,
22.2302

■ 14.9769, 14.1013,
25.9026

■ 15.8490, 14.4626,
29.9332

Harmonies

Analogous

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



12.1595, 12.1442, 5.3876



10.3220, 12.1442, 5.6709



8.9633, 12.1442, 7.6369

Triad

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



10.3220, 12.1442, 5.6709



9.3779, 12.1442, 22.9707



15.5088, 12.1442, 15.0358

Complementary

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



10.3220, 12.1442, 5.6709



5.7370, 4.8582, 12.9480

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.



14.5748, 12.1442, 21.0275



10.3220, 12.1442, 5.6709



10.9472, 12.1442, 26.3662

Square

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



10.3220, 12.1442, 5.6709



8.4609, 12.1442, 17.1917



12.8560, 12.1442, 25.5715



15.2944, 12.1442, 9.9175

Rectangle

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



10.3220, 12.1442, 5.6709



8.4469, 12.1442, 10.0301



12.8560, 12.1442, 25.5715



15.3152, 12.1442, 17.0304

Sweetspot

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



10.3223, 12.1447, 5.6712



19.9573, 21.8031, 18.8217



7.7568, 6.3644, 4.6907



4.8743, 5.3494, 4.4776



51.1593, 53.8236, 58.6138



5.2251, 5.4972, 5.9864

Same Dimension

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



10.3223, 12.1447, 5.6712



17.1680, 20.6086, 7.6917



8.3204, 11.1128, 5.5775



3.0170, 3.2559, 3.0439



11.8474, 15.1663, 2.3030



61.4064, 78.9021, 11.9932

Inverse Universe

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



5.7370, 4.8582, 12.9480



8.2026, 6.3543, 21.9309



7.3504, 5.6900, 13.0235



2.7138, 2.7745, 3.5245



3.2108, 1.2994, 16.2259



16.3963, 6.5968, 84.6105

Previews

White Background



This preview shows how the XYZ color 10.3220, 12.1442, 5.6709 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 10.3220, 12.1442, 5.6709 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 10.3220, 12.1442, 5.6709

Background



This preview shows how black text looks on a background with the XYZ color 10.3220, 12.1442, 5.6709.



This preview shows how white text looks on a background with the XYZ color 10.3220, 12.1442,

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

10.3220, 12.1442, 5.6709

Protanopia

11.1449, 12.1467, 5.4985

Deuteranopia

12.1750, 11.9960, 5.8114



Tritanopia

12.1105, 12.1698, 14.5427

Trichromacy



Original Color

10.3220, 12.1442, 5.6709

Protanomaly

10.7692, 12.0928, 5.5079

Deuteranomaly

11.3770, 11.9862, 5.7169

Tritanomaly

11.3029, 12.1166, 10.5471

Monochromacy



Original Color

10.3220, 12.1442, 5.6709

Achromatopsia

10.8771, 11.4435, 12.4620

Achromatomaly

10.5838, 11.6303, 9.4716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.3220, 12.1442, 5.6709 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, 101, 57) looks like.

```
.text, #text, p{  
    color:rgb(97, 101, 57)  
}
```

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, 101, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 101, 57) }
```

Border

The CSS property to change the border of an element to XYZ 10.3220, 12.1442, 5.6709 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, 101, 57) }
```


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

```
.border{ border-color:rgb(97, 101, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(97, 101, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 101, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 101, 57);  
box-shadow:4px 4px 4px 4px rgb(97, 101,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 10.3220, 12.1442, 5.6709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 101, 57) }
```

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

```
.background{ background-color: rgb(97, 101,  
57) }
```

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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