

Converting Colors

XYZ(9.8017, 10.2095, 5.5708)

Have a look what the booklet for
XYZ(9.8017, 10.2095, 5.5708)
contains.

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Color

**XYZ(9.8413, 10.2853,
5.6042)**

Conversions

Conversions Part 1

Format	Color
Hex	66593B
RGB	102, 89, 59
RGB Percent	40%, 35%, 23%
CMY	0.6000, 0.6510, 0.7686
CMYK	0.00, 0.13, 0.42, 0.60
HSL	42°, 27%, 32%
HSV	42°, 42%, 40%
XYZ	9.8413, 10.2853, 5.6042
YIQ	89.4670, 17.3780, -6.5740

Conversions

Conversions Part 2

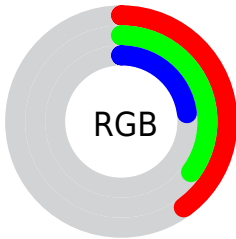
Format	Color
R_YB	78, 102, 59
Decimal	6707515
CIE Lab	38.35, 0.52, 19.31
CIE LCh	38, 19.318, 88.453
Yxy	10.2853, 0.3825, 0.3997
Android (android.graphics.Color)	4284897595 (0xFF66593B)
YUV	89.4670, -15.0202, 10.9914
Hunter-Lab	32.0707, -1.3488, 12.0889

Details

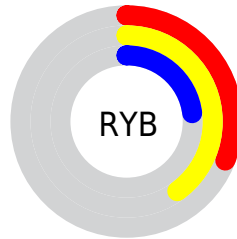
The XYZ color **9.8413, 10.2853, 5.6042** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **6.5192, 6.5236, 13.4860**, and the grayscale version is **9.6290, 10.1305, 11.0321**.

A 20% lighter version of the original color is **25.2129, 26.3968, 17.6761**, and **2.5155, 2.6230, 0.8639** is the 20% darker color. If you saturate the color by 10%, you get **9.3511, 9.6876, 4.2608**, and if you desaturate by 10%, it is **10.3945, 10.9261, 7.2240**.

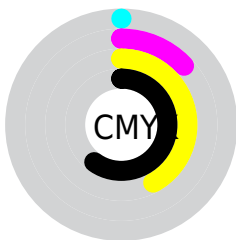
Distribution



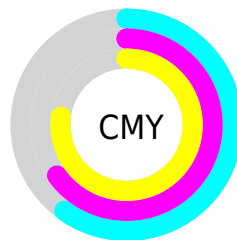
- Red (40%)
- Green (35%)
- Blue (23%)



- Red (31%)
- Yellow (40%)
- Blue (23%)



- Cyan (0%)
- Magenta (13%)
- Yellow (42%)
- Black (60%)



- Cyan (60%)
- Magenta (65%)
- Yellow (77%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 9.8413, 10.2853, 5.6042 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 9.8413, 10.2853, 5.6042 by changing the saturation by 10% instead.

■ 9.8413, 10.2853,
5.6042

■ 9.8413, 10.2853,
5.6042

183.6130,
192.6964, 164.6663

■ 5.3553, 5.5885,
2.5411

■ 25.1490, 26.3308,
17.5669

■ 2.4941, 2.5965,
0.8618

■ 36.7014, 38.4482,
27.3036

■ 0.8923, 0.9249,
0.0000

■ 51.3399, 53.8081,
40.1019

■ 0.0000, 0.0000,
0.0000

■ 69.4301, 72.7946,
56.3804

■ 91.3371, 95.7924,
76.5575

■ 117.4263,

123.1856, 101.0518

148.0632,
155.3588, 130.2819

■ 9.8413, 10.2853,
5.6042

■ 9.8413, 10.2853,
5.6042

■ 9.3511, 9.6876,
4.2608

■ 10.3945, 10.9261,
7.2240

■ 8.9199, 9.1301,
3.1771

■ 11.0129, 11.6101,
9.1344

■ 8.5446, 8.6118,
2.3358

■ 11.6993, 12.3388,
11.3490

■ 8.2212, 8.1308,
1.7170

■ 12.4564, 13.1137,
13.8808

■ 7.9446, 7.6849,
1.2943

■ 13.2866, 13.9357,
16.7417

■ 7.7435, 7.3527,
1.0111

■ 14.1920, 14.8061,
19.9431

■ 15.1750, 15.7258,
23.4960

■ 16.2375, 16.6959,
27.4107

■ 17.3816, 17.7174,
31.6971

Harmonies

Analogous

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



11.0965, 10.2853, 6.2727



9.8413, 10.2853, 5.6042



8.6683, 10.2853, 6.1465

Triad

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



9.8413, 10.2853, 5.6042



7.8000, 10.2853, 14.8335



11.9851, 10.2853, 15.2275

Complementary

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



9.8413, 10.2853, 5.6042



6.5192, 6.5236, 13.4860

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.



10.9739, 10.2853, 18.4587



9.8413, 10.2853, 5.6042



8.5644, 10.2853, 18.1991

Square

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



9.8413, 10.2853, 5.6042



7.5522, 10.2853, 11.0130



9.7107, 10.2853, 19.6472



12.3981, 10.2853, 11.3870

Rectangle

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



9.8413, 10.2853, 5.6042



8.0753, 10.2853, 7.2048



9.7107, 10.2853, 19.6472



11.6998, 10.2853, 16.4492

Sweetspot

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



9.8416, 10.2858, 5.6044



20.3650, 21.4797, 19.4017



8.2335, 6.4288, 7.0439



4.7560, 5.0166, 4.4196



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.



9.8416, 10.2858, 5.6044



16.3749, 16.9588, 7.4074



10.1689, 12.2044, 5.9575



2.9740, 3.1354, 3.0229



9.9108, 9.3747, 1.2871



50.8964, 47.3067, 6.4486

Inverse Universe

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



6.5192, 6.5236, 13.4860



9.6656, 9.3679, 23.3444



6.2691, 5.2765, 13.2585



2.7540, 2.8861, 3.5439



3.6720, 2.4157, 16.4171



18.4620, 11.2206, 85.3941

Previews

White Background



This preview shows how the XYZ color 9.8413, 10.2853, 5.6042 looks on a white background.

Color Contrast Check

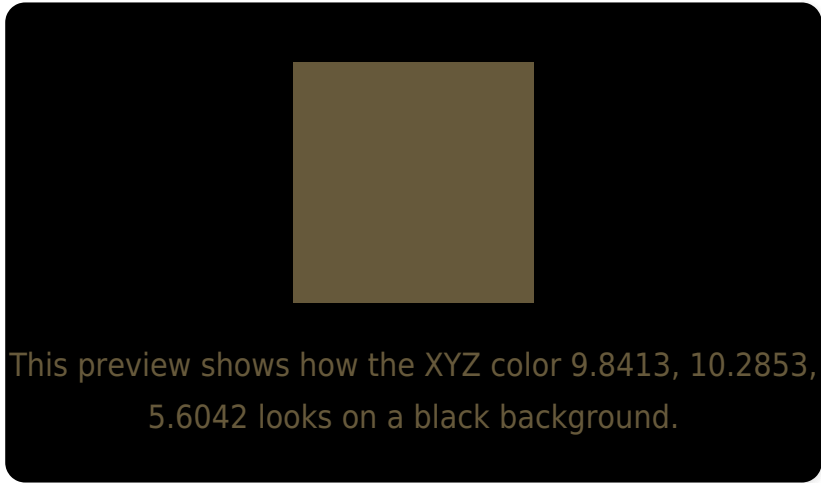
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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 9.8413, 10.2853, 5.6042

Background



This preview shows how black text looks on a background with the XYZ color 9.8413, 10.2853, 5.6042.

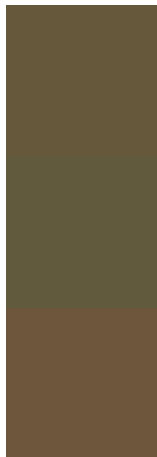


This preview shows how white text looks on a background with the XYZ color 9.8413, 10.2853,

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

9.8413, 10.2853, 5.6042

Protanopia

9.5088, 10.2352, 5.7494

Deuteranopia

10.4501, 10.2330, 5.6994



Tritanopia

11.0060, 10.2730, 11.5280

Trichromacy



Original Color

9.8413, 10.2853, 5.6042

Protanomaly

9.6174, 10.2912, 5.7545

Deuteranomaly

10.1677, 10.2068, 5.7092

Tritanomaly

10.4847, 10.1778, 9.0013

Monochromacy



Original Color

9.8413, 10.2853, 5.6042

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

9.5636, 10.0745, 8.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 9.8413, 10.2853, 5.6042 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(102, 89, 59)` looks like.

```
.text, #text, p{  
    color:rgb(102, 89, 59)  
}
```

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(102, 89, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 89, 59) }
```

Border

The CSS property to change the border of an element to XYZ 9.8413, 10.2853, 5.6042 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(102, 89, 59) }
```


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

```
.border{ border-color:rgb(102, 89, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 89, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 89, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 89, 59);  
box-shadow:4px 4px 4px 4px rgb(102, 89,  
59) }
```

Background

The CSS property to change the background color of an element to XYZ 9.8413, 10.2853, 5.6042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 89, 59) }
```

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

```
.background{ background-color: rgb(102, 89,  
59) }
```

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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