

Converting Colors

XYZ(16.2865, 10.2604, 53.3477)

Have a look what the booklet for
XYZ(16.2865, 10.2604, 53.3477)
contains.

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Color

**XYZ(16.2853, 10.2240,
53.3396)**

Conversions

Conversions Part 1

Format	Color
Hex	5B43C4
RGB	91, 67, 196
RGB Percent	36%, 26%, 77%
CMY	0.6431, 0.7373, 0.2314
CMYK	0.54, 0.66, 0.00, 0.23
HSL	251°, 52%, 52%
HSV	251°, 66%, 77%
XYZ	16.2853, 10.2240, 53.3396
YIQ	88.8820, -27.1050, 45.2070

Conversions

Conversions Part 2

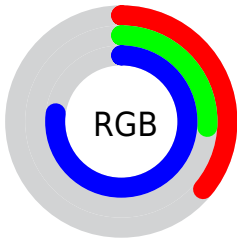
Format	Color
R_{YB}	91, 67, 196
Decimal	5981124
CIE _{Lab}	38.24, 43.91, -64.14
CIE _{LCh}	38, 77.732, 304.394
Yxy	10.2240, 0.2040, 0.1280
Android (android.graphics.Color)	4284171204 (0xFF5B43C4)
YUV	88.8820, 52.8092, 1.8575
Hunter-Lab	31.9750, 34.9563, -76.5231

Details

The XYZ color **16.2853, 10.2240, 53.3396** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted blue. A complement of this color would be **37.7656, 48.6555, 12.7113**, and the grayscale version is **9.3614, 9.8489, 10.7254**.

A 20% lighter version of the original color is **36.8284, 26.3624, 96.9133**, and **5.3264, 2.5618, 25.4131** is the 20% darker color. If you saturate the color by 10%, you get **13.9021, 7.5487, 52.9491**, and if you desaturate by 10%, it is **19.3981, 13.8606, 53.8777**.

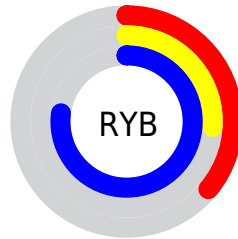
Distribution



Red (36%)

Green (26%)

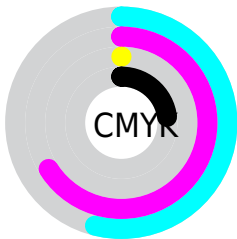
Blue (77%)



Red (36%)

Yellow (26%)

Blue (77%)

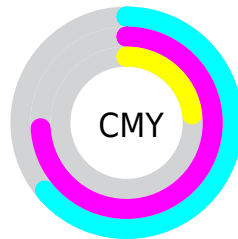


Cyan (54%)

Magenta (66%)

Yellow (0%)

Black (23%)



Cyan (64%)

Magenta (74%)

Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.2853, 10.2240, 53.3396 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 16.2853, 10.2240, 53.3396 by changing the saturation by 10% instead.

■ 16.2853, 10.2240,
53.3396

■ 16.2853, 10.2240,
53.3396

224.2568,
192.2634, 416.6899

■ 9.8184, 5.5477,
37.6844

■ 36.6463, 26.2160,
96.5505

■ 5.3401, 2.5721,
25.4379

■ 51.2710, 38.3005,
124.9432

■ 2.4849, 0.9126,
16.1816

■ 69.3458, 53.6232,
158.4189

■ 0.8877, 0.0000,
9.4970

■ 91.2358, 72.5685,
197.3960

■ 0.0000, 0.0000,
4.9655

■ 117.3066, 95.5207,
242.2931

■ 0.0000, 0.0000,
2.1687

147.9235,

■ 0.0000, 0.0000,

122.8644, 293.5288

0.6562

183.4518,
154.9838, 351.5215

■ 0.0000, 0.0000,
0.0000

■ 16.2853, 10.2240,
53.3396

■ 16.2853, 10.2240,
53.3396

■ 13.9021, 7.5487,
52.9491

■ 19.3981, 13.8606,
53.8777

■ 12.1839, 5.7394,
52.6904

■ 23.2941, 18.5393,
54.5755

■ 11.0552, 4.6803,
52.5455

■ 28.0239, 24.3335,
55.4446

■ 10.7079, 4.3691,
52.5037

■ 33.6329, 31.3094,
56.4954

■ 40.1634, 39.5281,
57.7376

■ 47.6550, 49.0464,
59.1800

■ 56.1446, 59.9177,
60.8309

■ 65.6676, 72.1923,
62.6982

■ 76.2572, 85.9178,
64.7894

Harmonies

Analogous

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



10.4792, 10.2240, 68.0821



16.2853, 10.2240, 53.3396



21.3406, 10.2240, 27.9544

Triad

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



16.2853, 10.2240, 53.3396



14.5372, 10.2240, 0.0000



2.9032, 10.2240, 13.3972

Complementary

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



16.2853, 10.2240, 53.3396



37.7656, 48.6555, 12.7113

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.



3.3357, 10.2240, 2.9289



16.2853, 10.2240, 53.3396



8.9938, 10.2240, 0.0000

Square

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



16.2853, 10.2240, 53.3396



20.1104, 10.2240, 1.6619



5.2064, 10.2240, 0.1253



3.7132, 10.2240, 35.3267

Rectangle

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



16.2853, 10.2240, 53.3396



22.9074, 10.2240, 14.0700



5.2064, 10.2240, 0.1253



2.9112, 10.2240, 8.6347

Sweetspot

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



16.2858, 10.2243, 53.3399



67.2258, 64.6252, 103.5385



27.0979, 34.8174, 57.5170



13.6760, 12.9359, 22.0260



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



16.2858, 10.2243, 53.3399



23.6662, 12.0426, 95.6848



25.5175, 14.9834, 53.7719



9.6993, 9.8361, 12.6722



6.9345, 2.8353, 33.7384



0.3538, 0.1505, 1.4603

Inverse Universe

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



32.2183, 18.7286, 40.9449



55.1298, 28.8932, 68.6687



26.9193, 43.0640, 12.2037



10.4143, 10.2143, 12.2723



18.7078, 9.1729, 22.1710



0.8296, 0.4049, 1.0702

Previews

White Background



This preview shows how the XYZ color 16.2853, 10.2240, 53.3396 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 16.2853, 10.2240, 53.3396 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 16.2853, 10.2240, 53.3396

Background



This preview shows how black text looks on a background with the XYZ color 16.2853, 10.2240, 53.3396.



This preview shows how white text looks on a background with the XYZ color 16.2853, 10.2240,

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

16.2853, 10.2240, 53.3396

Protanopia

11.9554, 10.2353, 46.1452

Deuteranopia

9.9987, 10.1229, 33.7747



Tritanopia

8.4039, 10.1243, 14.3432

Trichromacy



Original Color

16.2853, 10.2240, 53.3396

Protanomaly

12.5730, 9.6915, 48.7849

Deuteranomaly

11.1668, 9.4884, 40.2726

Tritanomaly

10.3624, 9.6427, 24.9820

Monochromacy



Original Color

16.2853, 10.2240, 53.3396

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

11.0552, 9.6170, 21.6957

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.2853, 10.2240, 53.3396 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, 67, 196)` looks like.

```
.text, #text, p{  
    color:rgb(91, 67, 196)  
}
```

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, 67, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 67, 196) }
```

Border

The CSS property to change the border of an element to XYZ 16.2853, 10.2240, 53.3396 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, 67, 196) }
```


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

```
.border{ border-color:rgb(91, 67, 196) }
```

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

Here you see how a box with a 4 pixel rgb(91, 67, 196) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 67, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 67, 196);  
box-shadow:4px 4px 4px 4px rgb(91, 67,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 16.2853, 10.2240, 53.3396 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 67, 196) }
```

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

```
.background{ background-color: rgb(91, 67,  
196) }
```

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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