

Converting Colors

XYZ(18.5999, 10.5337, 52.4496)

Have a look what the booklet for
XYZ(18.5999, 10.5337, 52.4496)
contains.

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Color

**XYZ(18.6006, 10.5504,
52.6858)**

Conversions

Conversions Part 1

Format	Color
Hex	7538C3
RGB	117, 56, 195
RGB Percent	46%, 22%, 76%
CMY	0.5412, 0.7804, 0.2353
CMYK	0.40, 0.71, 0.00, 0.24
HSL	266°, 55%, 49%
HSV	266°, 71%, 76%
XYZ	18.6006, 10.5504, 52.6858
YIQ	90.0850, -8.2630, 56.1610

Conversions

Conversions Part 2

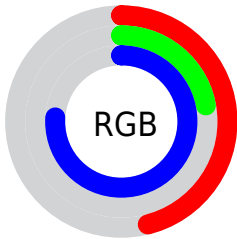
Format	Color
R_{YB}	117, 56, 195
Decimal	7682243
CIE _{Lab}	38.81, 54.03, -62.51
CIE _{LCh}	39, 82.624, 310.838
Yxy	10.5504, 0.2273, 0.1289
Android (android.graphics.Color)	4285872323 (0xFF7538C3)
YUV	90.0850, 51.7231, 23.6045
Hunter-Lab	32.4814, 45.3764, -73.4332

Details

The XYZ color **18.6006, 10.5504, 52.6858** is a dark color, and the websafe version is hex **6633CC**. The color can be described as dark muted purple. A complement of this color would be **30.0603, 44.3841, 10.7242**, and the grayscale version is **9.6268, 10.1281, 11.0295**.

A 20% lighter version of the original color is **40.7714, 26.9309, 95.9778**, and **6.5373, 2.8233, 25.0113** is the 20% darker color. If you saturate the color by 10%, you get **16.4476, 8.3004, 52.3652**, and if you desaturate by 10%, it is **21.2944, 13.6255, 53.1376**.

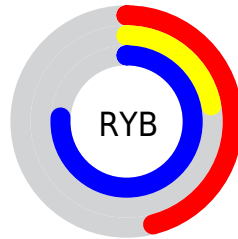
Distribution



Red (46%)

Green (22%)

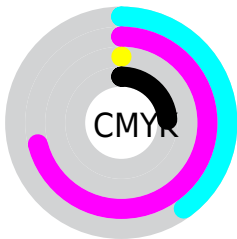
Blue (76%)



Red (46%)

Yellow (22%)

Blue (76%)

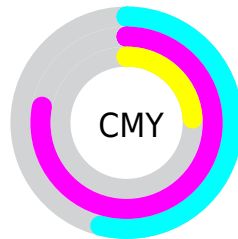


Cyan (40%)

Magenta (71%)

Yellow (0%)

Black (24%)



Cyan (54%)

Magenta (78%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6006, 10.5504, 52.6858 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 18.6006, 10.5504, 52.6858 by changing the saturation by 10% instead.

■ 18.6006, 10.5504,
52.6858

■ 18.6006, 10.5504,
52.6858

237.2156,
194.5565, 414.1105

■ 11.4843, 5.7654,
37.1660

■ 40.5802, 26.8257,
95.5787

■ 6.4633, 2.7030,
25.0392

■ 56.1743, 39.0848,
123.7889

■ 3.1721, 0.9787,
15.8870

■ 75.3250, 54.6041,
157.0663

■ 1.2454, 0.0000,
9.2907

■ 98.3977, 73.7679,
195.8295

■ 0.1418, 0.0000,
4.8319

■ 125.7577, 96.9606,
240.4970

■ 0.0000, 0.0000,
2.0920

■ 157.7705,

■ 0.0000, 0.0000,

124.5667, 291.4873

0.6110

194.8013,
156.9705, 349.2190

■ 0.0000, 0.0000,
0.0000

■ 18.6006, 10.5504,
52.6858

■ 18.6006, 10.5504,
52.6858

■ 16.4476, 8.3004,
52.3652

■ 21.2944, 13.6255,
53.1376

■ 14.7825, 6.7803,
52.1596

■ 24.5714, 17.6041,
53.7328

■ 13.6495, 5.8987,
52.0491

■ 28.4707, 22.5560,
54.4831

■ 33.0276, 28.5441,
55.3988

■ 38.2743, 35.6254,
56.4891

■ 44.2409, 43.8530,
57.7627

■ 50.9554, 53.2762,
59.2277

■ 58.4444, 63.9417,
60.8916

■ 66.7330, 75.8933,
62.7616

Harmonies

Analogous

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



12.1389, 10.5504, 73.7648



18.6006, 10.5504, 52.6858



23.6098, 10.5504, 24.4876

Triad

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



18.6006, 10.5504, 52.6858



13.8928, 10.5504, 0.0000



2.8377, 10.5504, 18.1351

Complementary

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



18.6006, 10.5504, 52.6858



30.0603, 44.3841, 10.7242

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.



3.0115, 10.5504, 4.1642



18.6006, 10.5504, 52.6858



8.1769, 10.5504, 0.0000

Square

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



18.6006, 10.5504, 52.6858



20.2791, 10.5504, 0.9011



4.6016, 10.5504, 0.3082



3.9885, 10.5504, 44.6010

Rectangle

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



18.6006, 10.5504, 52.6858



24.6545, 10.5504, 11.0528



4.6016, 10.5504, 0.3082



2.7580, 10.5504, 11.9337

Sweetspot

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



18.6011, 10.5507, 52.6861



68.5055, 63.7450, 101.1632



20.1129, 22.0440, 54.8248



14.3946, 13.1331, 22.0262



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.



18.6011, 10.5507, 52.6861



27.5552, 13.0745, 93.5411



31.4497, 17.1744, 53.2874



9.9384, 9.9594, 12.6834



8.9645, 3.8818, 33.8334



0.4663, 0.2085, 1.4655

Inverse Universe

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



28.2230, 16.1518, 24.1837



47.0195, 24.4420, 34.2136



22.4268, 40.4489, 10.3669



10.3045, 10.1704, 11.6942



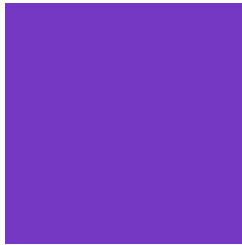
16.4792, 8.2814, 10.4354



0.7462, 0.3715, 0.6308

Previews

White Background



This preview shows how the XYZ color 18.6006, 10.5504, 52.6858 looks on a white background.

Color Contrast Check

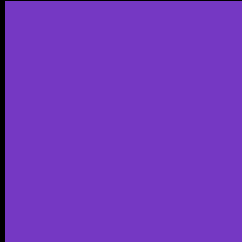
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.6006, 10.5504, 52.6858 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

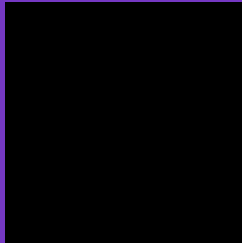
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6006, 10.5504, 52.6858

Background



This preview shows how black text looks on a background with the XYZ color 18.6006, 10.5504, 52.6858.



This preview shows how white text looks on a background with the XYZ color 18.6006, 10.5504,

52.6858.

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

18.6006, 10.5504, 52.6858

Protanopia

12.4594, 10.5673, 48.3967

Deuteranopia

10.5243, 10.6140, 35.6764



Tritanopia

10.5331, 10.6083, 12.8017

Trichromacy



Original Color

18.6006, 10.5504, 52.6858

Protanomaly

12.8750, 9.4002, 49.8510

Deuteranomaly

11.5049, 9.3069, 41.2344

Tritanomaly

12.5515, 10.0258, 23.4639

Monochromacy



Original Color

18.6006, 10.5504, 52.6858

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.8762, 9.7166, 21.6716

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6006, 10.5504, 52.6858 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(117, 56, 195)` looks like.

```
.text, #text, p{  
    color:rgb(117, 56, 195)  
}
```

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(117, 56, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 56, 195) }
```

Border

The CSS property to change the border of an element to XYZ 18.6006, 10.5504, 52.6858 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(117, 56, 195) }
```


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

```
.border{ border-color:rgb(117, 56, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 56, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 56, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 56, 195);  
box-shadow:4px 4px 4px 4px rgb(117, 56,  
195) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6006, 10.5504, 52.6858 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 56, 195) }
```

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

```
.background{ background-color: rgb(117, 56,  
195) }
```

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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