

Converting Colors

XYZ(24.2202, 18.4798, 56.5191)

Have a look what the booklet for
XYZ(24.2202, 18.4798, 56.5191)
contains.

XYZ(24.2123, 18.4911, 56.3258)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(24.2123, 18.4911,
56.3258)**

Conversions

Conversions Part 1

Format	Color
Hex	8167C7
RGB	129, 103, 199
RGB Percent	51%, 40%, 78%
CMY	0.4941, 0.5961, 0.2196
CMYK	0.35, 0.48, 0.00, 0.22
HSL	256°, 46%, 59%
HSV	256°, 48%, 78%
XYZ	24.2123, 18.4911, 56.3258
YIQ	121.7180, -15.3200, 35.3680

Conversions

Conversions Part 2

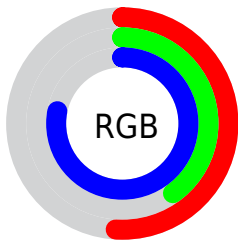
Format	Color
R_{YB}	129, 103, 199
Decimal	8480711
CIE _{Lab}	50.09, 32.10, -46.61
CIE _{LCh}	50, 56.595, 304.558
Yxy	18.4911, 0.2445, 0.1867
Android (android.graphics.Color)	4286670791 (0xFF8167C7)
YUV	121.7180, 38.1000, 6.3863
Hunter-Lab	43.0013, 25.2540, -47.5609

Details

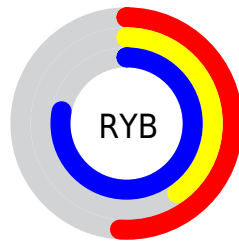
The XYZ color **24.2123, 18.4911, 56.3258** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **40.1052, 50.7105, 20.5068**, and the grayscale version is **18.2909, 19.2435, 20.9561**.

A 20% lighter version of the original color is **49.7789, 40.9770, 99.8935**, and **9.3019, 6.2418, 27.1001** is the 20% darker color. If you saturate the color by 10%, you get **20.4137, 13.9362, 55.6472**, and if you desaturate by 10%, it is **28.7964, 24.1507, 57.1770**.

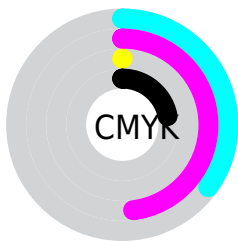
Distribution



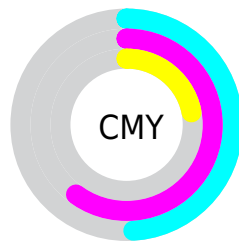
- Red (51%)
- Green (40%)
- Blue (78%)



- Red (51%)
- Yellow (40%)
- Blue (78%)



- Cyan (35%)
- Magenta (48%)
- Yellow (0%)
- Black (22%)



- Cyan (49%)
- Magenta (60%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.2123, 18.4911, 56.3258 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 24.2123, 18.4911, 56.3258 by changing the saturation by 10% instead.

■ 24.2123, 18.4911,
56.3258

■ 24.2123, 18.4911,
56.3258

266.3126,
243.6248, 428.3409

■ 15.6168, 11.3031,
40.0585

■ 49.8286, 40.8724,
100.9713

■ 9.3425, 6.2711,
27.2700

■ 67.5800, 56.8345,
130.1866

■ 5.0241, 3.0106,
17.5419

■ 89.1142, 76.4901,
164.5549

■ 2.2963, 1.1373,
10.4556

■ 114.7964,
100.2237, 204.4947

■ 0.7928, 0.0096,
5.5925

144.9920,
128.4195, 250.4247

■ 0.0000, 0.0000,
2.5342

180.0663,

■ 0.0000, 0.0000,

161.4620, 302.7634

0.8582

220.3847,
199.7357, 361.9293

■ 0.0000, 0.0000,
0.0000

■ 24.2123, 18.4911,
56.3258

■ 24.2123, 18.4911,
56.3258

■ 20.4137, 13.9362,
55.6472

■ 28.7964, 24.1507,
57.1770

■ 17.3512, 10.4093,
55.1278

■ 34.2068, 30.9805,
58.2101

■ 14.9732, 7.8268,
54.7547

■ 40.4838, 39.0433,
59.4355

■ 13.2191, 6.0906,
54.5120

■ 47.6645, 48.3968,
60.8625

■ 12.0032, 5.0534,
54.3759

■ 55.7839, 59.0950,
62.4995

■ 11.8248, 4.9050,
54.3567

■ 64.8748, 71.1886,
64.3546

■ 74.9686, 84.7259,
66.4356

■ 83.7543, 95.0711,
67.9694

■ 87.3089, 96.9035,
68.1357

Harmonies

Analogous

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



18.4210, 18.4911, 67.2912



24.2123, 18.4911, 56.3258



28.8336, 18.4911, 35.9675

Triad

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



24.2123, 18.4911, 56.3258



22.4704, 18.4911, 3.3766



9.0644, 18.4911, 22.6134

Complementary

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



24.2123, 18.4911, 56.3258



40.1052, 50.7105, 20.5068

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.



9.7113, 18.4911, 9.7999



24.2123, 18.4911, 56.3258



16.7558, 18.4911, 2.5910

Square

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



24.2123, 18.4911, 56.3258



27.6909, 18.4911, 7.4601



12.2776, 18.4911, 4.1549



10.2827, 18.4911, 42.3969

Rectangle

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



24.2123, 18.4911, 56.3258



30.2021, 18.4911, 23.1148



12.2776, 18.4911, 4.1549



9.0735, 18.4911, 17.4206

Sweetspot

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



24.2130, 18.4918, 56.3262



75.7632, 74.6927, 105.0317



30.9231, 37.0483, 59.5544



15.6429, 15.2422, 22.3675



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.



24.2130, 18.4918, 56.3262



35.3793, 23.9740, 97.3705



33.1999, 23.1247, 56.7468



10.3218, 10.4241, 13.3855



7.6763, 3.1915, 34.9558



0.4349, 0.1879, 1.6585

Inverse Universe

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



35.9465, 24.8601, 42.4386



58.7663, 36.6995, 68.2366



31.3880, 46.2166, 20.0988



10.9558, 10.7657, 12.7503



18.4748, 9.1395, 18.2422



0.9039, 0.4444, 1.0172

Previews

White Background



This preview shows how the XYZ color 24.2123, 18.4911, 56.3258 looks on a white background.

Color Contrast Check

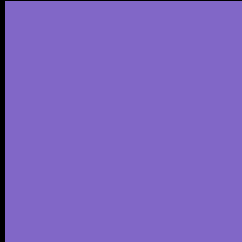
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 24.2123, 18.4911, 56.3258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

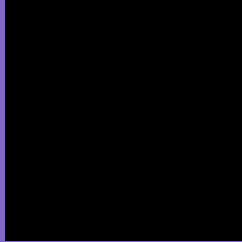
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.2123, 18.4911, 56.3258

Background



This preview shows how black text looks on a background with the XYZ color 24.2123, 18.4911, 56.3258.



This preview shows how white text looks on a background with the XYZ color 24.2123, 18.4911,

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

24.2123, 18.4911, 56.3258

Protanopia

20.9531, 18.7001, 64.7925

Deuteranopia

19.1653, 18.7127, 54.2315



Tritanopia

17.6183, 18.5953, 23.4295

Trichromacy



Original Color

24.2123, 18.4911, 56.3258

Protanomaly

21.5630, 18.2536, 61.4183

Deuteranomaly

20.3948, 18.2955, 54.6810

Tritanomaly

19.4578, 18.2897, 33.0766

Monochromacy



Original Color

24.2123, 18.4911, 56.3258

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

20.0932, 18.8234, 31.4284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2123, 18.4911, 56.3258 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(129, 103, 199)` looks like.

```
.text, #text, p{  
    color:rgb(129, 103, 199)  
}
```

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(129, 103, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 103, 199) }
```

Border

The CSS property to change the border of an element to XYZ 24.2123, 18.4911, 56.3258 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(129, 103, 199) }
```


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

```
.border{ border-color:rgb(129, 103, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 103, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 103, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 103, 199);  
box-shadow:4px 4px 4px 4px rgb(129, 103,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2123, 18.4911, 56.3258 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 103, 199) }
```

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

```
.background{ background-color: rgb(129,  
103, 199) }
```

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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