

Converting Colors

XYZ(24.4784, 18.4134, 59.3910)

Have a look what the booklet for
XYZ(24.4784, 18.4134, 59.3910)
contains.

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Color

**XYZ(24.5525, 18.4516,
59.3942)**

Conversions

Conversions Part 1

Format	Color
Hex	8066CC
RGB	128, 102, 204
RGB Percent	50%, 40%, 80%
CMY	0.4980, 0.6000, 0.2000
CMYK	0.37, 0.50, 0.00, 0.20
HSL	255°, 50%, 60%
HSV	255°, 50%, 80%
XYZ	24.5525, 18.4516, 59.3942
YIQ	121.4020, -17.2460, 37.2340

Conversions

Conversions Part 2

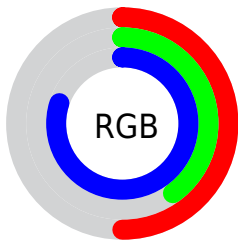
Format	Color
R _Y B	128, 102, 204
Decimal	8414924
CIE Lab	50.04, 33.78, -49.55
CIE LCh	50, 59.974, 304.285
Yxy	18.4516, 0.2398, 0.1802
Android (android.graphics.Color)	4286605004 (0xFF8066CC)
YUV	121.4020, 40.7208, 5.7864
Hunter-Lab	42.9553, 26.8556, -51.9114

Details

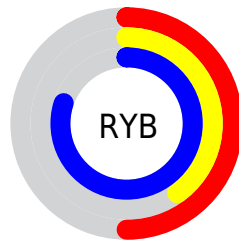
The XYZ color **24.5525, 18.4516, 59.3942** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **42.3515, 53.6103, 20.6866**, and the grayscale version is **18.1809, 19.1277, 20.8301**.

A 20% lighter version of the original color is **49.3728, 40.5215, 99.8270**, and **9.4916, 6.2247, 29.1350** is the 20% darker color. If you saturate the color by 10%, you get **20.6713, 13.8321, 58.7075**, and if you desaturate by 10%, it is **29.2710, 24.2355, 60.2623**.

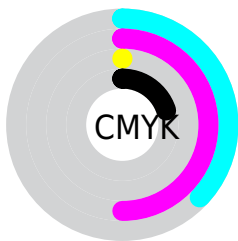
Distribution



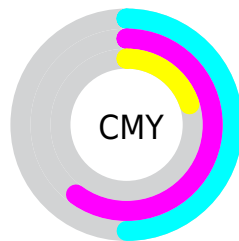
- Red (50%)
- Green (40%)
- Blue (80%)



- Red (50%)
- Yellow (40%)
- Blue (80%)



- Cyan (37%)
- Magenta (50%)
- Yellow (0%)
- Black (20%)



- Cyan (50%)
- Magenta (60%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.5525, 18.4516, 59.3942 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 24.5525, 18.4516, 59.3942 by changing the saturation by 10% instead.

■ 24.5525, 18.4516,
59.3942

■ 24.5525, 18.4516,
59.3942

267.9909,
243.4043, 440.1037

■ 15.8709, 11.2747,
42.5084

■ 50.3785, 40.8054,
105.4851

■ 9.5231, 6.2519,
29.1711

■ 68.2535, 56.7510,
135.5274

■ 5.1438, 2.9989,
18.9636

■ 89.9238, 76.3883,
170.7922

■ 2.3675, 1.1311,
11.4674

■ 115.7547,
100.1018, 211.6981

■ 0.8289, 0.0044,
6.2640

146.1115,
128.2757, 258.6637

■ 0.0000, 0.0000,
2.9349

181.3595,

■ 0.0000, 0.0000,

161.2945, 312.1074

1.0615

221.8642,
199.5426, 372.4479

■ 0.0000, 0.0000,
0.0000

■ 24.5525, 18.4516,
59.3942

■ 24.5525, 18.4516,
59.3942

■ 20.6713, 13.8321,
58.7075

■ 29.2710, 24.2355,
60.2623

■ 17.5730, 10.2934,
58.1877

■ 34.8718, 31.2553,
61.3220

■ 15.2001, 7.7439,
57.8207

■ 41.3994, 39.5791,
62.5846

■ 13.4852, 6.0748,
57.5889

■ 48.8944, 49.2693,
64.0600

■ 12.3155, 5.0899,
57.4604

■ 57.3950, 60.3843,
65.7574

■ 12.3154, 5.0898,
57.4604

■ 66.9373, 72.9790,
67.6855

■ 77.5556, 87.1056,
69.8526

■ 85.9409, 96.1301,
71.1525

■ 87.8992, 97.1397,
71.2442

Harmonies

Analogous

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



18.3790, 18.4516, 71.2899



24.5525, 18.4516, 59.3942



29.5409, 18.4516, 37.2540

Triad

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



24.5525, 18.4516, 59.3942



22.8007, 18.4516, 2.9144



8.6433, 18.4516, 22.5571

Complementary

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



24.5525, 18.4516, 59.3942



42.3515, 53.6103, 20.6866

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.



9.3262, 18.4516, 9.2240



24.5525, 18.4516, 59.3942



16.7225, 18.4516, 2.1496

Square

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



24.5525, 18.4516, 59.3942



28.3839, 18.4516, 6.9887



12.0051, 18.4516, 3.6195



9.8805, 18.4516, 43.8051

Rectangle

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



24.5525, 18.4516, 59.3942



31.0419, 18.4516, 23.4210



12.0051, 18.4516, 3.6195



8.6584, 18.4516, 17.0920

Sweetspot

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



24.5533, 18.4523, 59.3946



74.3196, 72.9667, 104.7747



32.3992, 39.2251, 62.9907



15.3496, 14.8978, 22.3165



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.



24.5533, 18.4523, 59.3946



33.7861, 22.3856, 97.1479



34.1260, 23.3872, 59.8426



10.8653, 10.9799, 14.1170



7.8252, 3.2416, 36.1695



0.4759, 0.2045, 1.8693

Inverse Universe

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



37.6895, 25.5550, 45.0656



58.3858, 35.7205, 68.7822



32.8187, 48.6960, 20.2405



11.5606, 11.3530, 13.4869



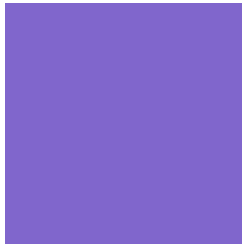
19.2800, 9.5226, 19.7248



1.0242, 0.5031, 1.1733

Previews

White Background



This preview shows how the XYZ color 24.5525, 18.4516, 59.3942 looks on a white background.

Color Contrast Check

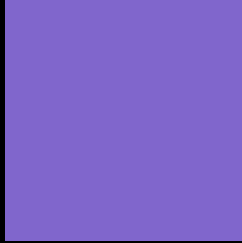
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.5525, 18.4516, 59.3942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

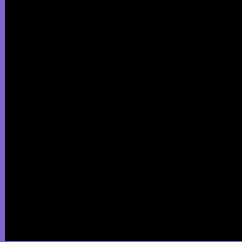
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.5525, 18.4516, 59.3942

Background



This preview shows how black text looks on a background with the XYZ color 24.5525, 18.4516, 59.3942.



This preview shows how white text looks on a background with the XYZ color 24.5525, 18.4516,

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

24.5525, 18.4516, 59.3942

Protanopia

21.1537, 18.7295, 68.1459

Deuteranopia

19.1917, 18.6598, 57.2338



Tritanopia

17.2345, 18.3974, 23.4116

Trichromacy



Original Color

24.5525, 18.4516, 59.3942

Protanomaly

21.7846, 18.2960, 64.6707

Deuteranomaly

20.3782, 18.0535, 57.6690

Tritanomaly

19.2420, 17.9925, 33.9112

Monochromacy



Original Color

24.5525, 18.4516, 59.3942

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.9154, 18.5541, 31.8098

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.5525, 18.4516, 59.3942 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(128, 102, 204)` looks like.

```
.text, #text, p{  
    color:rgb(128, 102, 204)  
}
```

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(128, 102, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 102, 204) }
```

Border

The CSS property to change the border of an element to XYZ 24.5525, 18.4516, 59.3942 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(128, 102, 204) }
```


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

```
.border{ border-color:rgb(128, 102, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 102, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 102, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 102, 204);  
box-shadow:4px 4px 4px 4px rgb(128, 102,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 24.5525, 18.4516, 59.3942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 102, 204) }
```

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

```
.background{ background-color: rgb(128,  
102, 204) }
```

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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