

Converting Colors

XYZ(24.2593, 11.9447, 45.4445)

Have a look what the booklet for
XYZ(24.2593, 11.9447, 45.4445)
contains.

XYZ(24.2475, 11.9506, 45.2847)	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(24.2475, 11.9506,
45.2847)**

Conversions

Conversions Part 1

Format	Color
Hex	A516B6
RGB	165, 22, 182
RGB Percent	65%, 9%, 71%
CMY	0.3529, 0.9137, 0.2863
CMYK	0.09, 0.88, 0.00, 0.29
HSL	294°, 78%, 40%
HSV	294°, 88%, 71%
XYZ	24.2475, 11.9506, 45.2847
YIQ	82.9970, 33.8680, 80.0760

Conversions

Conversions Part 2

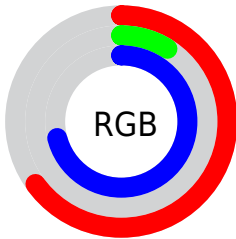
Format	Color
R _Y B	165, 22, 182
Decimal	10819254
CIE Lab	41.14, 70.83, -50.78
CIE LCh	41, 87.150, 324.364
Yxy	11.9506, 0.2976, 0.1467
Android (android.graphics.Color)	4289009334 (0xFFA516B6)
YUV	82.9970, 48.8085, 71.9166
Hunter-Lab	34.5696, 64.7049, -53.4685

Details

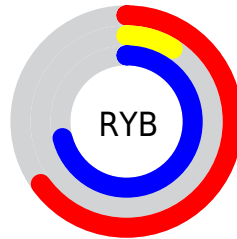
The XYZ color **24.2475, 11.9506, 45.2847** is a dark color, and the websafe version is hex **990099**. A complement of this color would be **17.7100, 33.9455, 6.3783**, and the grayscale version is **8.1218, 8.5448, 9.3053**.

A 20% lighter version of the original color is **49.9766, 29.3916, 84.7004**, and **10.0806, 4.7467, 20.8070** is the 20% darker color. If you saturate the color by 10%, you get **23.6031, 11.2538, 45.1844**, and if you desaturate by 10%, it is **25.1321, 13.1176, 45.4635**.

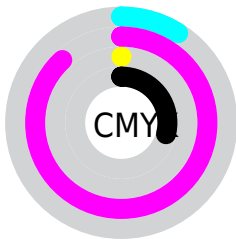
Distribution



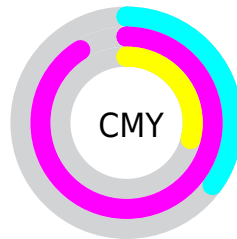
- Red (65%)
- Green (9%)
- Blue (71%)



- Red (65%)
- Yellow (9%)
- Blue (71%)



- Cyan (9%)
- Magenta (88%)
- Yellow (0%)
- Black (29%)




- Cyan (35%)
- Magenta (91%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 24.2475, 11.9506, 45.2847 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 24.2475, 11.9506, 45.2847 by changing the saturation by 10% instead.


 24.2475, 11.9506,
45.2847


 24.2475, 11.9506,
45.2847


266.4867,
204.0780, 384.1191


 15.6430, 6.7100,
31.3372


 49.8855, 29.4051,
84.4704

 9.3612, 3.2814,
20.5951


 67.6498, 42.3878,
110.5457


 5.0365, 1.2804,
12.6400


 89.1981, 58.7201,
141.5006

 2.3037, 0.1259,
7.0533

 114.8957, 78.7863,
177.7538

 0.7965, 0.0000,
3.4165

 145.1080,
102.9707, 219.7236

 0.0000, 0.0000,
1.3110

 180.2004,

 0.0000, 0.0000,

131.6579, 267.8288

0.0708

220.5381,
165.2322, 322.4878

■ 0.0000, 0.0000,
0.0000

■ 24.2475, 11.9506,
45.2847

■ 24.2475, 11.9506,
45.2847

■ 23.6031, 11.2538,
45.1844

■ 25.1321, 13.1176,
45.4635

■ 23.4789, 11.1284,
45.1667

■ 26.3115, 14.8656,
45.7387

■ 27.8219, 17.2666,
46.1226

■ 29.6940, 20.3819,
46.6252

■ 31.9551, 24.2658,
47.2557

■ 34.6295, 28.9672,
48.0222

■ 37.7397, 34.5310,
48.9322

■ 41.3066, 40.9989,
49.9927

■ 45.3497, 48.4098,
51.2100

Harmonies

Analogous

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



17.0946, 11.9506, 76.6311



24.2475, 11.9506, 45.2847



28.0804, 11.9506, 16.7066

Triad

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



24.2475, 11.9506, 45.2847



12.5844, 11.9506, 0.0000



3.5347, 11.9506, 33.0904

Complementary

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



24.2475, 11.9506, 45.2847



17.7100, 33.9455, 6.3783

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.



3.0885, 11.9506, 9.9070



24.2475, 11.9506, 45.2847



7.0751, 11.9506, 0.0000

Square

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



24.2475, 11.9506, 45.2847



19.9321, 11.9506, 0.0068



4.1068, 11.9506, 1.4806



5.6821, 11.9506, 66.0952

Rectangle

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



24.2475, 11.9506, 45.2847



27.5017, 11.9506, 6.1875



4.1068, 11.9506, 1.4806



3.2242, 11.9506, 23.5974

Sweetspot

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



24.2480, 11.9511, 45.2850



63.5594, 53.8969, 87.2889



9.5564, 5.1116, 44.7391



13.6407, 11.1989, 19.1643



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



24.2480, 11.9511, 45.2850



42.4459, 20.1133, 81.8808



23.0096, 11.8917, 19.0660



9.2844, 9.1130, 11.3491



16.6140, 7.8760, 31.8976



0.6128, 0.2916, 1.1257

Inverse Universe

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



19.9449, 10.6659, 2.9277



35.1528, 18.1014, 2.5720



18.6336, 34.2565, 13.8826



9.0424, 9.0273, 9.5705



13.7209, 7.0621, 1.1511



0.4966, 0.2541, 0.1085

Previews

White Background



This preview shows how the XYZ color 24.2475, 11.9506, 45.2847 looks on a white background.

Color Contrast Check

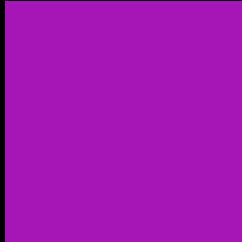
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.2475, 11.9506, 45.2847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

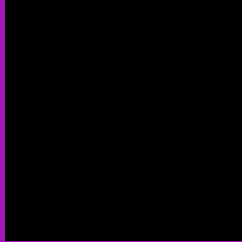
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 24.2475, 11.9506, 45.2847

Background



This preview shows how black text looks on a background with the XYZ color 24.2475, 11.9506, 45.2847.



This preview shows how white text looks on a background with the XYZ color 24.2475, 11.9506,

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

24.2475, 11.9506, 45.2847

Protanopia

14.6348, 12.4015, 56.8807

Deuteranopia

12.7072, 12.4667, 40.2646



Tritanopia

16.7427, 12.0050, 8.8319

Trichromacy



Original Color

24.2475, 11.9506, 45.2847



Protanomaly

13.6682, 8.9899, 52.0538



Deuteranomaly

13.7114, 9.6147, 41.6906



Tritanomaly

18.3762, 11.0674, 17.6907

Monochromacy



Original Color

24.2475, 11.9506, 45.2847



Achromatopsia

8.2219, 8.6500, 9.4199



Achromatomaly

11.8086, 8.1801, 18.4093

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.2475, 11.9506, 45.2847 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(165, 22, 182)` looks like.

```
.text, #text, p{  
    color:rgb(165, 22, 182)  
}
```

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(165, 22, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 22, 182) }
```

Border

The CSS property to change the border of an element to XYZ 24.2475, 11.9506, 45.2847 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(165, 22, 182) }
```


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

```
.border{ border-color:rgb(165, 22, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 22, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 22, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 22, 182);  
box-shadow:4px 4px 4px 4px rgb(165, 22,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 24.2475, 11.9506, 45.2847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 22, 182) }
```

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

```
.background{ background-color: rgb(165, 22,  
182) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor