

Converting Colors

XYZ(40.9695, 24.6503, 49.6120)

Have a look what the booklet for
XYZ(40.9695, 24.6503, 49.6120)
contains.

XYZ(40.9763, 24.6798, 49.6177)	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(40.9763, 24.6798,
49.6177)**

Conversions

Conversions Part 1

Format	Color
Hex	DA53BB
RGB	218, 83, 187
RGB Percent	85%, 33%, 73%
CMY	0.1451, 0.6745, 0.2667
CMYK	0.00, 0.62, 0.14, 0.15
HSL	314°, 65%, 59%
HSV	314°, 62%, 85%
XYZ	40.9763, 24.6798, 49.6177
YIQ	135.2210, 47.0760, 60.9640

Conversions

Conversions Part 2

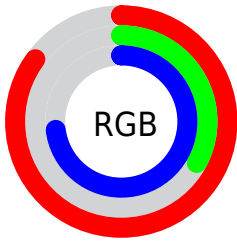
Format	Color
R _{YB}	218, 83, 187
Decimal	14308283
CIE _{Lab}	56.76, 64.09, -28.45
CIE _{LCh}	57, 70.121, 336.060
Yxy	24.6798, 0.3555, 0.2141
Android (android.graphics.Color)	4292498363 (0xFFDA53BB)
YUV	135.2210, 25.5270, 72.5972
Hunter-Lab	49.6788, 60.2935, -24.4420

Details

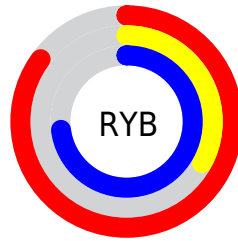
The XYZ color **40.9763, 24.6798, 49.6177** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light muted rose. A complement of this color would be **31.6771, 53.1975, 24.5203**, and the grayscale version is **23.0082, 24.2064, 26.3608**.

A 20% lighter version of the original color is **66.7957, 46.4872, 90.2464**, and **18.8623, 9.4300, 23.0163** is the 20% darker color. If you saturate the color by 10%, you get **39.0363, 21.6423, 46.3728**, and if you desaturate by 10%, it is **43.4607, 28.7755, 53.1367**.

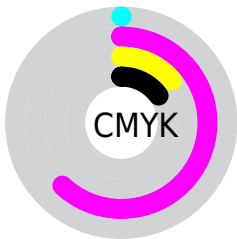
Distribution



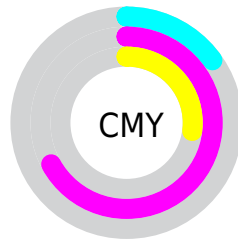
- Red (85%)
- Green (33%)
- Blue (73%)



- Red (85%)
- Yellow (33%)
- Blue (73%)



- Cyan (0%)
- Magenta (62%)
- Yellow (14%)
- Black (15%)



- Cyan (15%)
- Magenta (67%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9763, 24.6798, 49.6177 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 40.9763, 24.6798, 49.6177 by changing the saturation by 10% instead.

40.9763, 24.6798,
49.6177

40.9763, 24.6798,
49.6177

341.2858,
276.2395, 401.8612

28.4882, 15.8387,
34.7407

75.9228, 51.1373,
90.9987

18.8363, 9.4101,
23.1812

99.1120, 69.5224,
118.3397

11.6553, 5.0096,
14.5208

126.5988, 91.8577,
150.6724

6.5800, 2.2529,
8.3409

158.7487,
118.5274, 188.4154

3.2448, 0.7486,
4.2230

195.9269,
149.9161, 231.9873

1.2845, 0.0000,
1.7484

238.4990,

0.1716, 0.0000,

186.4081, 281.8065

0.3936

286.8302,
228.3878, 338.2916

■ 0.0000, 0.0000,
0.0000

■ 40.9763, 24.6798,
49.6177

■ 40.9763, 24.6798,
49.6177

■ 39.0363, 21.6423,
46.3728

■ 43.4607, 28.7755,
53.1367

■ 37.5872, 19.5573,
43.3826

■ 46.5319, 34.0148,
56.9441

■ 36.5683, 18.3034,
40.6262

■ 50.2305, 40.4785,
61.0547

■ 35.9758, 17.7304,
38.5420

■ 54.5928, 48.2390,
65.4814

■ 59.6525, 57.3631,
70.2363

■ 65.4408, 67.9130,
75.3308

■ 71.9869, 79.9469,
80.7753

■ 78.5457, 91.9743,
86.3223

■ 79.2471, 92.2549,
90.0161

Harmonies

Analogous

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



33.9911, 24.6798, 82.2381



40.9763, 24.6798, 49.6177



42.8397, 24.6798, 22.3905

Triad

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



40.9763, 24.6798, 49.6177



21.8354, 24.6798, 2.3548



12.8986, 24.6798, 63.0797

Complementary

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



40.9763, 24.6798, 49.6177



31.6771, 53.1975, 24.5203

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.



11.0323, 24.6798, 31.9151



40.9763, 24.6798, 49.6177



15.3614, 24.6798, 4.4257

Square

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



40.9763, 24.6798, 49.6177



30.4387, 24.6798, 3.1448



11.8156, 24.6798, 12.4210



17.6346, 24.6798, 92.6780

Rectangle

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



40.9763, 24.6798, 49.6177



40.6206, 24.6798, 11.5396



11.8156, 24.6798, 12.4210



11.9720, 24.6798, 51.9261

Sweetspot

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



40.9771, 24.6810, 49.6182



79.7539, 72.1919, 95.2185



22.4634, 14.7111, 67.9857



16.6480, 14.6934, 19.9726



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.



40.9771, 24.6810, 49.6182



55.0474, 29.9282, 64.9425



35.4743, 22.4799, 20.6407



13.4798, 13.2210, 15.7878



21.5960, 10.6394, 23.3164



1.4310, 0.7020, 1.6783

Inverse Universe

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



40.9771, 24.6810, 49.6182



55.0474, 29.9282, 64.9425



36.8525, 55.2676, 51.7733



13.4798, 13.2210, 15.7878



21.5960, 10.6394, 23.3164



1.4310, 0.7020, 1.6783

Previews

White Background



This preview shows how the XYZ color 40.9763, 24.6798, 49.6177 looks on a white background.

Color Contrast Check

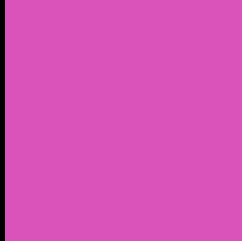
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.9763, 24.6798, 49.6177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

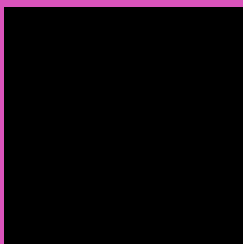
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.9763, 24.6798, 49.6177

Background



This preview shows how black text looks on a background with the XYZ color 40.9763, 24.6798, 49.6177.



This preview shows how white text looks on a background with the XYZ color 40.9763, 24.6798,

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

40.9763, 24.6798, 49.6177

Protanopia

27.4585, 25.1930, 76.8143

Deuteranopia

25.4142, 24.8169, 46.0985



Tritanopia

34.2431, 24.5279, 17.6814

Trichromacy



Original Color

40.9763, 24.6798, 49.6177

Protanomaly

29.1255, 22.7283, 65.8027

Deuteranomaly

29.0714, 23.1124, 47.1849

Tritanomaly

36.2109, 24.3469, 26.8356

Monochromacy



Original Color

40.9763, 24.6798, 49.6177

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

27.5952, 22.8232, 33.5227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9763, 24.6798, 49.6177 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(218, 83, 187)` looks like.

```
.text, #text, p{  
    color:rgb(218, 83, 187)  
}
```

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(218, 83, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 83, 187) }
```

Border

The CSS property to change the border of an element to XYZ 40.9763, 24.6798, 49.6177 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(218, 83, 187) }
```


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

```
.border{ border-color:rgb(218, 83, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 83, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 83, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 83, 187);  
box-shadow:4px 4px 4px 4px rgb(218, 83,  
187) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9763, 24.6798, 49.6177 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 83, 187) }
```

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

```
.background{ background-color: rgb(218, 83,  
187) }
```

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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