

Converting Colors

XYZ(41.2231, 25.0383, 59.1754)

Have a look what the booklet for
XYZ(41.2231, 25.0383, 59.1754)
contains.

XYZ(41.3391, 25.1252, 59.1708)	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(41.3391, 25.1252,
59.1708)**

Conversions

Conversions Part 1

Format	Color
Hex	D457CB
RGB	212, 87, 203
RGB Percent	83%, 34%, 80%
CMY	0.1686, 0.6588, 0.2039
CMYK	0.00, 0.59, 0.04, 0.17
HSL	304°, 59%, 59%
HSV	304°, 59%, 83%
XYZ	41.3391, 25.1252, 59.1708
YIQ	137.5990, 37.2640, 62.5760

Conversions

Conversions Part 2

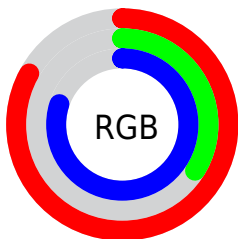
Format	Color
R _Y B	212, 87, 203
Decimal	13916107
CIE Lab	57.20, 63.32, -37.01
CIE LCh	57, 73.346, 329.698
Yxy	25.1252, 0.3290, 0.2000
Android (android.graphics.Color)	4292106187 (0xFFD457CB)
YUV	137.5990, 32.2427, 65.2497
Hunter-Lab	50.1250, 59.4936, -34.9022

Details

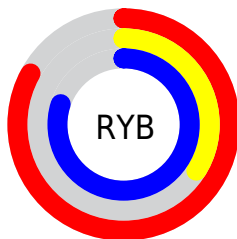
The XYZ color **41.3391, 25.1252, 59.1708** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **29.5864, 49.9588, 19.1515**, and the grayscale version is **23.8773, 25.1208, 27.3565**.

A 20% lighter version of the original color is **69.1125, 48.1249, 100.2542**, and **18.9781, 9.6209, 28.8737** is the 20% darker color. If you saturate the color by 10%, you get **39.6871, 22.1104, 57.7271**, and if you desaturate by 10%, it is **43.4985, 29.1508, 60.7929**.

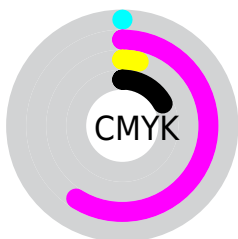
Distribution



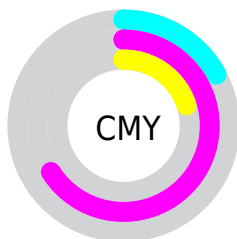
- Red (83%)
- Green (34%)
- Blue (80%)



- Red (83%)
- Yellow (34%)
- Blue (80%)



- Cyan (0%)
- Magenta (59%)
- Yellow (4%)
- Black (17%)





- Cyan (17%)
- Magenta (66%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.3391, 25.1252, 59.1708 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 41.3391, 25.1252, 59.1708 by changing the saturation by 10% instead.


 41.3391, 25.1252,
59.1708


 41.3391, 25.1252,
59.1708


342.7743,
278.4609, 439.2541

 28.7730, 16.1704,
42.3297


 76.4699, 51.8603,
105.1574

 19.0526, 9.6448,
29.0321


 99.7652, 70.4093,
135.1400

 11.8125, 5.1641,
18.8593


 127.3677, 92.9251,
170.3403

 6.6874, 2.3439,
11.3929

 159.6426,
119.7922, 211.1766

 3.3120, 0.7968,
6.2142

196.9554,
151.3949, 258.0676

 1.3208, 0.0000,
2.9049

239.6714,

 0.1987, 0.0000,

188.1177, 311.4318

1.0463

288.1559,
230.3449, 371.6878

■ 0.0000, 0.0000,
0.0000

■ 41.3391, 25.1252,
59.1708

■ 41.3391, 25.1252,
59.1708

■ 39.6871, 22.1104,
57.7271

■ 43.4985, 29.1508,
60.7929

■ 38.4944, 20.0117,
56.4451

■ 46.2027, 34.2637,
62.6052

■ 37.7080, 18.7229,
55.3074

■ 49.4887, 40.5373,
64.6203

■ 37.2416, 18.0715,
54.2851

■ 53.3893, 48.0373,
66.8493

■ 37.1995, 18.0164,
54.1814

■ 57.9351, 56.8247,
69.3022

■ 63.1545, 66.9564,
71.9886

■ 69.0742, 78.4860,
74.9175

■ 75.2050, 90.4345,
77.9257

■ 75.4024, 90.5135,
78.9652

Harmonies

Analogous

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



33.1186, 25.1252, 93.2267



41.3391, 25.1252, 59.1708



44.7068, 25.1252, 27.6096

Triad

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



41.3391, 25.1252, 59.1708



23.9688, 25.1252, 2.0100



12.1384, 25.1252, 58.4445

Complementary

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



41.3391, 25.1252, 59.1708



29.5864, 49.9588, 19.1515

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.



10.7979, 25.1252, 27.1061



41.3391, 25.1252, 59.1708



16.5435, 25.1252, 3.3213

Square

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



41.3391, 25.1252, 59.1708



33.3083, 25.1252, 3.3834



12.1945, 25.1252, 9.6579



16.4245, 25.1252, 92.6577

Rectangle

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



41.3391, 25.1252, 59.1708



43.2431, 25.1252, 14.2239



12.1945, 25.1252, 9.6579



11.3821, 25.1252, 46.7888

Sweetspot

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



41.3400, 25.1264, 59.1713



81.5874, 73.9190, 101.8098



20.0470, 14.0219, 63.9382



17.0641, 15.0527, 21.5693



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.



41.3400, 25.1264, 59.1713



59.7069, 32.5595, 87.1128



35.3808, 22.7427, 27.7908



12.9126, 12.6166, 15.4802



22.9807, 11.1286, 33.5321



1.3979, 0.6759, 2.0847

Inverse Universe

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



41.3400, 25.1264, 59.1713



59.7069, 32.5595, 87.1128



33.6323, 51.5772, 40.4568



12.9126, 12.6166, 15.4802



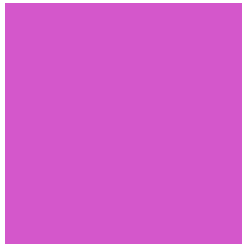
22.9807, 11.1286, 33.5321



1.3979, 0.6759, 2.0847

Previews

White Background



This preview shows how the XYZ color 41.3391, 25.1252, 59.1708 looks on a white background.

Color Contrast Check

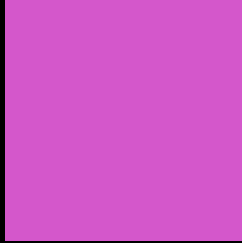
Large Text (above 18pt) WCAG AA ✓ Pass

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 41.3391, 25.1252, 59.1708 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

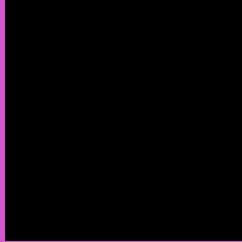
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 41.3391, 25.1252, 59.1708

Background



This preview shows how black text looks on a background with the XYZ color 41.3391, 25.1252, 59.1708.

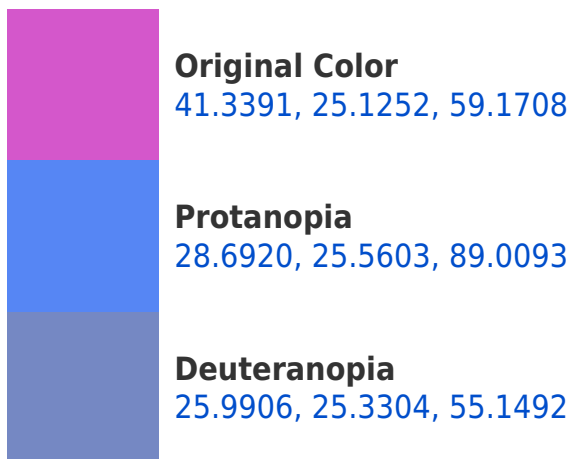


This preview shows how white text looks on a background with the XYZ color 41.3391, 25.1252,

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





Tritanopia

33.2031, 25.0164, 20.2182

Trichromacy



Original Color

41.3391, 25.1252, 59.1708



Protanomaly

30.0199, 23.2853, 77.0410



Deuteranomaly

29.6204, 23.7095, 56.4413



Tritanomaly

35.6298, 24.7945, 31.3417

Monochromacy



Original Color

41.3391, 25.1252, 59.1708



Achromatopsia

24.1572, 25.4152, 27.6772



Achromatomaly

28.6355, 23.8016, 37.2673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.3391, 25.1252, 59.1708 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(212, 87, 203)` looks like.

```
.text, #text, p{  
    color:rgb(212, 87, 203)  
}
```

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(212, 87, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 87, 203) }
```

Border

The CSS property to change the border of an element to XYZ 41.3391, 25.1252, 59.1708 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(212, 87, 203) }
```


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

```
.border{ border-color:rgb(212, 87, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 87, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 87, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 87, 203);  
box-shadow:4px 4px 4px 4px rgb(212, 87,  
203) }
```

Background

The CSS property to change the background color of an element to XYZ 41.3391, 25.1252, 59.1708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 87, 203) }
```

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

```
.background{ background-color: rgb(212, 87,  
203) }
```

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