

Converting Colors

XYZ(41.5590, 35.3078, 70.1566)

Have a look what the booklet for
XYZ(41.5590, 35.3078, 70.1566)
contains.

XYZ(41.6257, 35.2708, 70.2597)	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(41.6257, 35.2708,
70.2597)**

Conversions

Conversions Part 1

Format	Color
Hex	B492D9
RGB	180, 146, 217
RGB Percent	71%, 57%, 85%
CMY	0.2941, 0.4274, 0.1490
CMYK	0.17, 0.33, 0.00, 0.15
HSL	269°, 48%, 71%
HSV	269°, 33%, 85%
XYZ	41.6257, 35.2708, 70.2597
YIQ	164.2600, -2.5270, 29.2890

Conversions

Conversions Part 2

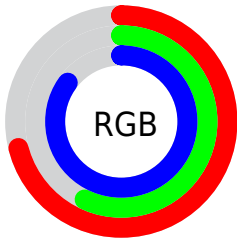
Format	Color
R _Y B	180, 146, 217
Decimal	11834073
CIE Lab	65.96, 26.43, -31.52
CIE LCh	66, 41.135, 309.984
Yxy	35.2708, 0.2829, 0.2397
Android (android.graphics.Color)	4290024153 (0xFFB492D9)
YUV	164.2600, 26.0008, 13.8040
Hunter-Lab	59.3892, 21.1789, -28.5699

Details

The XYZ color **41.6257, 35.2708, 70.2597** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **49.5306, 61.7691, 36.5077**, and the grayscale version is **35.2923, 37.1302, 40.4348**.

A 20% lighter version of the original color is **73.6293, 66.5331, 103.5692**, and **19.2180, 15.2287, 36.1089** is the 20% darker color. If you saturate the color by 10%, you get **36.0668, 27.9025, 69.1310**, and if you desaturate by 10%, it is **48.0366, 44.0225, 71.6116**.

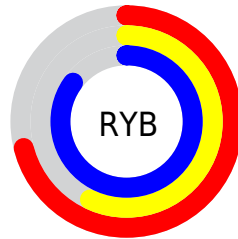
Distribution



Red (71%)

Green (57%)

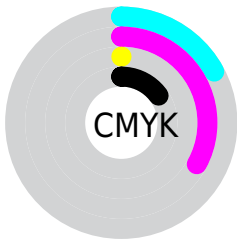
Blue (85%)



Red (71%)

Yellow (57%)

Blue (85%)

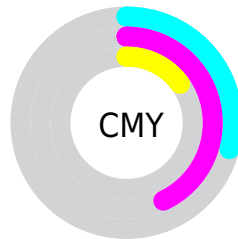


Cyan (17%)

Magenta (33%)

Yellow (0%)

Black (15%)



Cyan (29%)


Magenta (43%)


Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.6257, 35.2708, 70.2597 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 41.6257, 35.2708, 70.2597 by changing the saturation by 10% instead.

 41.6257, 35.2708,
70.2597


 41.6257, 35.2708,
70.2597

343.9471,
325.7620, 480.2751

 28.9981, 23.8716,
51.2602

 76.9015, 67.9051,
121.2636

 19.2237, 15.2384,
36.0375


 100.2805, 89.9089,
154.1051

 11.9370, 8.9868,
24.1733

127.9741,
116.2163, 192.3976

 6.7727, 4.7326,
15.2488

160.3475,
147.2118, 236.5597

 3.3654, 2.0912,
8.8456

197.7661,
183.2797, 287.0100

 1.3498, 0.6597,
4.5452

240.5954,

 0.2200, 0.0000,

224.8045, 344.1670

1.9290

289.2006,
272.1704, 408.4491

■ 0.0000, 0.0000,
0.5111

■ 0.0000, 0.0000,
0.0000

■ 41.6257, 35.2708,
70.2597

■ 41.6257, 35.2708,
70.2597

■ 36.0668, 27.9025,
69.1310

■ 48.0366, 44.0225,
71.6116

■ 31.3154, 21.8385,
68.2110

■ 55.3341, 54.2220,
73.1957

■ 27.3275, 16.9984,
67.4869

■ 63.5550, 65.9352,
75.0233

■ 24.0534, 13.2904,
66.9438

■ 72.7330, 79.2222,
77.1042

■ 21.4362, 10.6094,
66.5643

■ 82.8997, 94.1400,
79.4478

■ 19.4083, 8.8293,
66.3275

■ 86.9438, 96.4594,
79.6823

■ 18.2237, 7.9479,
66.2198

■ 89.5245, 97.7898,
79.8031

Harmonies

Analogous

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



35.5953, 35.2708, 81.8085



41.6257, 35.2708, 70.2597



45.7747, 35.2708, 51.0654

Triad

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



41.6257, 35.2708, 70.2597



37.6941, 35.2708, 14.7250



23.2627, 35.2708, 44.5167

Complementary

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



41.6257, 35.2708, 70.2597



49.5306, 61.7691, 36.5077

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.



23.6806, 35.2708, 28.0301



41.6257, 35.2708, 70.2597



31.5343, 35.2708, 13.9382

Square

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



41.6257, 35.2708, 70.2597



43.3211, 35.2708, 20.6331



26.5480, 35.2708, 18.0118



25.3277, 35.2708, 64.2368

Rectangle

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



41.6257, 35.2708, 70.2597



46.6508, 35.2708, 38.4135



26.5480, 35.2708, 18.0118



23.1240, 35.2708, 38.3943

Sweetspot

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



41.6269, 35.2722, 70.2605



82.7268, 82.3619, 106.1450



41.4924, 45.3476, 72.2123



17.3600, 17.1372, 22.6428



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.



41.6269, 35.2722, 70.2605



54.5392, 43.5672, 100.1425



50.7210, 39.9604, 70.6861



12.9290, 12.9215, 16.4648



11.1522, 4.8733, 40.0913



0.8216, 0.3668, 2.6019

Inverse Universe

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



47.4424, 38.7297, 49.7759



64.3616, 49.4096, 65.4174



42.2815, 58.0321, 36.1684



13.3380, 13.1643, 15.0412



19.1831, 9.6743, 10.6103



1.2862, 0.6441, 0.9163

Previews

White Background



This preview shows how the XYZ color 41.6257, 35.2708, 70.2597 looks on a white background.

Color Contrast Check

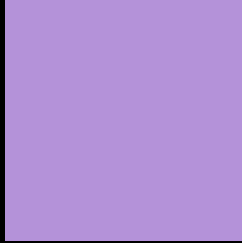
Large Text (above 18pt) WCAG AA × Fail

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 41.6257, 35.2708, 70.2597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

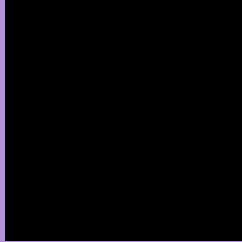
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6257, 35.2708, 70.2597

Background



This preview shows how black text looks on a background with the XYZ color 41.6257, 35.2708, 70.2597.



This preview shows how white text looks on a background with the XYZ color 41.6257, 35.2708,

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

41.6257, 35.2708, 70.2597

Protanopia

36.6018, 35.4337, 76.8618

Deuteranopia

36.3467, 35.4710, 69.2209



Tritanopia

35.9696, 35.3747, 41.9780

Trichromacy



Original Color

41.6257, 35.2708, 70.2597

Protanomaly

38.2013, 35.3089, 74.6139

Deuteranomaly

38.0508, 35.3382, 69.7812

Tritanomaly

37.7704, 35.1156, 51.2416

Monochromacy



Original Color

41.6257, 35.2708, 70.2597

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

37.1818, 36.0789, 49.8040

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6257, 35.2708, 70.2597 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(180, 146, 217)` looks like.

```
.text, #text, p{  
    color:rgb(180, 146, 217)  
}
```

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(180, 146, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 146, 217) }
```

Border

The CSS property to change the border of an element to XYZ 41.6257, 35.2708, 70.2597 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(180, 146, 217) }
```


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

```
.border{ border-color:rgb(180, 146, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 146, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 146, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 146, 217);  
box-shadow:4px 4px 4px 4px rgb(180, 146,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6257, 35.2708, 70.2597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 146, 217) }
```

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

```
.background{ background-color: rgb(180,  
146, 217) }
```

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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