

Converting Colors

XYZ(51.2244, 36.6685, 79.0502)

Have a look what the booklet for
XYZ(51.2244, 36.6685, 79.0502)
contains.

XYZ(51.1790, 36.5839, 79.2269)	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(51.1790, 36.5839,
79.2269)**

Conversions

Conversions Part 1

Format	Color
Hex	DA82E6
RGB	218, 130, 230
RGB Percent	85%, 51%, 90%
CMY	0.1451, 0.4902, 0.0980
CMYK	0.05, 0.43, 0.00, 0.10
HSL	293°, 67%, 71%
HSV	293°, 43%, 90%
XYZ	51.1790, 36.5839, 79.2269
YIQ	167.7120, 20.3480, 49.7560

Conversions

Conversions Part 2

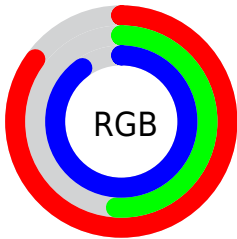
Format	Color
R _Y B	218, 130, 230
Decimal	14320358
CIE Lab	66.96, 49.17, -36.85
CIE LCh	67, 61.446, 323.155
Yxy	36.5839, 0.3065, 0.2191
Android (android.graphics.Color)	4292510438 (0xFFDA82E6)
YUV	167.7120, 30.7080, 44.1026
Hunter-Lab	60.4846, 45.1895, -35.3229

Details

The XYZ color **51.1790, 36.5839, 79.2269** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **43.4827, 63.9570, 31.1740**, and the grayscale version is **36.9269, 38.8500, 42.3077**.

A 20% lighter version of the original color is **76.6390, 63.1779, 102.7630**, and **24.9918, 15.9408, 41.8041** is the 20% darker color. If you saturate the color by 10%, you get **47.6366, 30.7133, 78.2810**, and if you desaturate by 10%, it is **55.4213, 43.8321, 80.4029**.

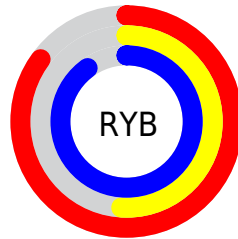
Distribution



Red (85%)

Green (51%)

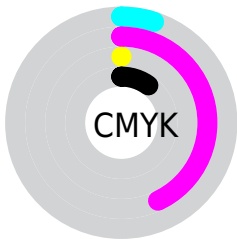
Blue (90%)



Red (85%)

Yellow (51%)

Blue (90%)

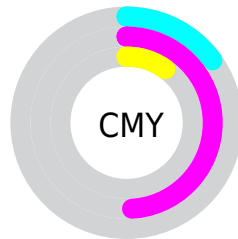


Cyan (5%)

Magenta (43%)

Yellow (0%)

Black (10%)



Cyan (15%)


Magenta (49%)


Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 51.1790, 36.5839, 79.2269 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 51.1790, 36.5839, 79.2269 by changing the saturation by 10% instead.


 51.1790, 36.5839,
79.2269


 51.1790, 36.5839,
79.2269

381.6351,
331.5055, 511.9615


 36.5727, 24.8855,
58.5600


 91.1007, 69.9324,
134.0798

 25.0490, 15.9918,
41.8413


 117.1469, 92.3512,
169.1028

 16.2425, 9.5183,
28.6524

 147.7370,
119.1123, 209.7483

 9.7878, 5.0808,
18.5747

183.2365,
150.6000, 256.4348

 5.3197, 2.2947,
11.1897

224.0107,
187.1988, 309.5809

 2.4727, 0.7709,
6.0788

270.4249,

 0.8815, 0.0000,

229.2931, 369.6049

2.8235

322.8446,
277.2672, 436.9256

■ 0.0000, 0.0000,
1.0052

■ 0.0000, 0.0000,
0.0000

■ 51.1790, 36.5839,
79.2269

■ 51.1790, 36.5839,
79.2269

■ 47.6366, 30.7133,
78.2810

■ 55.4213, 43.8321,
80.4029

■ 44.7442, 26.1234,
77.5475


■ 60.4017, 52.5368,
81.8206


■ 42.4512, 22.7121,
77.0099


■ 66.1600, 62.7768,
83.4936


■ 40.6978, 20.3597,
76.6483


■ 72.7320, 74.6234,
85.4338


 39.4112, 18.9209,
76.4384


 80.1513, 88.1439,
87.6525

 38.7489, 18.3258,
76.3584

 84.1593, 94.8208,
88.7300

 85.0754, 95.2931,
88.7729

 86.0057, 95.7727,
88.8165

 86.9503, 96.2596,
88.8607

Harmonies

Analogous

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



42.3071, 36.5839, 108.1294



51.1790, 36.5839, 79.2269



55.7775, 36.5839, 46.2706

Triad

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



51.1790, 36.5839, 79.2269



36.9523, 36.5839, 7.5132



20.7579, 36.5839, 63.6209

Complementary

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



51.1790, 36.5839, 79.2269



43.4827, 63.9570, 31.1740

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.



19.8387, 36.5839, 34.0232



51.1790, 36.5839, 79.2269



28.1892, 36.5839, 8.8223

Square

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



51.1790, 36.5839, 79.2269



46.6659, 36.5839, 11.2569



22.3097, 36.5839, 16.2994



25.0929, 36.5839, 96.6551

Rectangle

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



51.1790, 36.5839, 79.2269



55.3093, 36.5839, 29.2557



22.3097, 36.5839, 16.2994



20.0753, 36.5839, 52.6959

Sweetspot

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



51.1803, 36.5855, 79.2277



83.9231, 79.8962, 105.6060



33.3630, 30.2059, 78.9354



17.5966, 16.4455, 22.4968



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.



51.1803, 36.5855, 79.2277



60.6852, 39.6036, 99.0535



50.2798, 36.6550, 55.0737



14.8159, 14.5229, 18.1666



22.0066, 10.4107, 43.2328



1.6745, 0.7942, 3.1970

Inverse Universe

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



45.4995, 34.7428, 29.9008



52.8588, 37.1215, 28.5424



44.4483, 64.1181, 46.4329



14.4470, 14.3960, 15.2883



18.6143, 9.5799, 1.5981



1.3988, 0.7172, 0.2405

Previews

White Background



This preview shows how the XYZ color 51.1790, 36.5839, 79.2269 looks on a white background.

Color Contrast Check

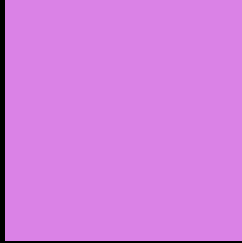
Large Text (above 18pt) WCAG AA × Fail

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 51.1790, 36.5839, 79.2269 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

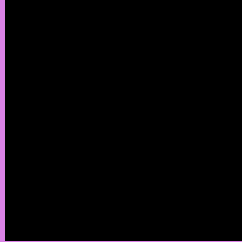
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.1790, 36.5839, 79.2269

Background



This preview shows how black text looks on a background with the XYZ color 51.1790, 36.5839, 79.2269.



This preview shows how white text looks on a background with the XYZ color 51.1790, 36.5839,

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

51.1790, 36.5839, 79.2269

Protanopia

39.5229, 36.9508, 99.6569

Deuteranopia

37.7010, 36.8008, 75.6372



Tritanopia

42.3771, 36.4020, 36.6911

Trichromacy



Original Color

51.1790, 36.5839, 79.2269



Protanomaly

42.0799, 35.7258, 91.8667



Deuteranomaly

41.4284, 35.9616, 76.7093



Tritanomaly

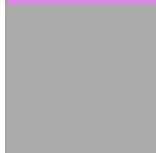
45.1812, 36.2139, 49.9561

Monochromacy



Original Color

51.1790, 36.5839, 79.2269



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

41.2093, 37.3119, 54.3202

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.1790, 36.5839, 79.2269 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, 130, 230)` looks like.

```
.text, #text, p{  
    color:rgb(218, 130, 230)  
}
```

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, 130, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 130, 230) }
```

Border

The CSS property to change the border of an element to XYZ 51.1790, 36.5839, 79.2269 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, 130, 230) }
```


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

```
.border{ border-color:rgb(218, 130, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 130, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 130, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 130, 230);  
box-shadow:4px 4px 4px 4px rgb(218, 130,  
230) }
```

Background

The CSS property to change the background color of an element to XYZ 51.1790, 36.5839, 79.2269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 130, 230) }
```

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

```
.background{ background-color: rgb(218,  
130, 230) }
```

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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