

Converting Colors

XYZ(23.5114, 17.1217, 62.4522)

Have a look what the booklet for
XYZ(23.5114, 17.1217, 62.4522)
contains.

XYZ(23.5290, 17.1459, 62.3910)	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(23.5290, 17.1459,
62.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	7861D1
RGB	120, 97, 209
RGB Percent	47%, 38%, 82%
CMY	0.5294, 0.6196, 0.1804
CMYK	0.43, 0.54, 0.00, 0.18
HSL	252°, 55%, 60%
HSV	252°, 54%, 82%
XYZ	23.5290, 17.1459, 62.3910
YIQ	116.6450, -22.2440, 39.7080

Conversions

Conversions Part 2

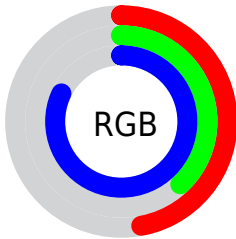
Format	Color
R_{YB}	120, 97, 209
Decimal	7889361
CIE _{Lab}	48.44, 36.18, -55.01
CIE _{LCh}	48, 65.838, 303.330
Yxy	17.1459, 0.2283, 0.1664
Android (android.graphics.Color)	4286079441 (0xFF7861D1)
YUV	116.6450, 45.5310, 2.9423
Hunter-Lab	41.4076, 28.9655, -60.3500

Details

The XYZ color **23.5290, 17.1459, 62.3910** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.2077, 56.9033, 19.9104**, and the grayscale version is **16.6684, 17.5364, 19.0971**.

A 20% lighter version of the original color is **46.7714, 37.7469, 99.4285**, and **9.0232, 5.6711, 31.1909** is the 20% darker color. If you saturate the color by 10%, you get **19.7392, 12.6934, 61.7317**, and if you desaturate by 10%, it is **28.2285, 22.8228, 63.2394**.

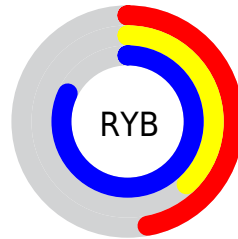
Distribution



Red (47%)

Green (38%)

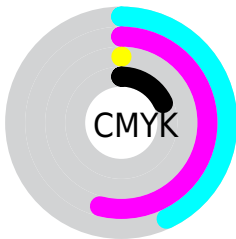
Blue (82%)



Red (47%)

Yellow (38%)

Blue (82%)

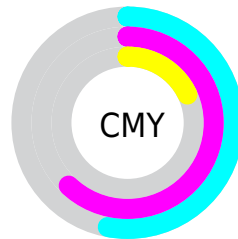


Cyan (43%)

Magenta (54%)

Yellow (0%)

Black (18%)



Cyan (53%)

Magenta (62%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.5290, 17.1459, 62.3910 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 23.5290, 17.1459, 62.3910 by changing the saturation by 10% instead.

■ 23.5290, 17.1459,
62.3910

■ 23.5290, 17.1459,
62.3910

262.9154,
236.0118, 451.4029

■ 15.1074, 10.3386,
44.9109

■ 48.7208, 38.5765,
109.8675

■ 8.9816, 5.6240,
31.0448

■ 66.2217, 53.9685,
140.7010

■ 4.7862, 2.6178,
20.3742

■ 87.4798, 72.9908,
176.8226

■ 2.1558, 0.9356,
12.4806

■ 112.8605, 96.0280,
218.6511

■ 0.7193, 0.0000,
6.9454

142.7290,
123.4642, 266.6047

■ 0.0000, 0.0000,
3.3500

177.4508,

■ 0.0000, 0.0000,

155.6840, 321.1022

1.2760

217.3911,
193.0717, 382.5621

■ 0.0000, 0.0000,
0.0420

■ 0.0000, 0.0000,
0.0000

■ 23.5290, 17.1459,
62.3910

■ 23.5290, 17.1459,
62.3910

■ 19.7392, 12.6934,
61.7317

■ 28.2285, 22.8228,
63.2394

■ 16.7952, 9.3711,
61.2456

■ 33.8909, 29.8050,
64.2887

■ 14.6282, 7.0737,
60.9163

■ 40.5680, 38.1685,
65.5511

■ 13.1563, 5.6742,
60.7238

■ 48.3071, 47.9831,
67.0376

■ 12.5018, 5.1154,
60.6504

■ 57.1526, 59.3136,
68.7584

■ 67.1461, 72.2208,
70.7230

■ 78.3273, 86.7625,
72.9405

■ 87.7276, 96.9808,
74.4174

■ 88.5087, 97.3835,
74.4540

Harmonies

Analogous

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



16.9791, 17.1459, 75.2633



23.5290, 17.1459, 62.3910



28.9998, 17.1459, 37.8781

Triad

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



23.5290, 17.1459, 62.3910



22.0709, 17.1459, 1.9443



7.2497, 17.1459, 20.6638

Complementary

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



23.5290, 17.1459, 62.3910



45.2077, 56.9033, 19.9104

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.



7.9800, 17.1459, 7.3836



23.5290, 17.1459, 62.3910



15.6328, 17.1459, 1.2721

Square

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



23.5290, 17.1459, 62.3910



28.0226, 17.1459, 5.7267



10.7228, 17.1459, 2.4031



8.4055, 17.1459, 43.4853

Rectangle

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



23.5290, 17.1459, 62.3910



30.7284, 17.1459, 22.7951



10.7228, 17.1459, 2.4031



7.2840, 17.1459, 15.0735

Sweetspot

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



23.5297, 17.1465, 62.3914



72.4492, 71.0357, 104.5005



34.1244, 42.5164, 66.7299



14.9559, 14.5045, 22.2613



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.



23.5297, 17.1465, 62.3914



30.3637, 19.2236, 96.7179



33.5529, 22.3136, 62.8605



11.3873, 11.5330, 14.8696



7.7743, 3.1881, 37.3981



0.5016, 0.2128, 2.0942

Inverse Universe

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



39.4323, 25.6502, 49.3263



58.1654, 34.1259, 72.2656



34.2568, 51.2578, 19.3979



12.2024, 11.9657, 14.3418



20.4970, 10.0716, 23.3213



1.1730, 0.5739, 1.4456

Previews

White Background



This preview shows how the XYZ color 23.5290, 17.1459, 62.3910 looks on a white background.

Color Contrast Check

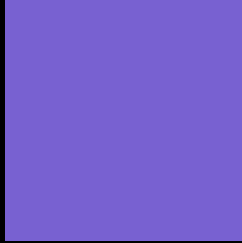
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.5290, 17.1459, 62.3910 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 23.5290, 17.1459, 62.3910

Background



This preview shows how black text looks on a background with the XYZ color 23.5290, 17.1459, 62.3910.



This preview shows how white text looks on a background with the XYZ color 23.5290, 17.1459,

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

23.5290, 17.1459, 62.3910

Protanopia

20.3113, 17.3550, 72.8003

Deuteranopia

17.9162, 17.4064, 60.1731



Tritanopia

15.5647, 17.1985, 22.5780

Trichromacy



Original Color

23.5290, 17.1459, 62.3910

Protanomaly

20.7643, 16.8784, 69.1813

Deuteranomaly

18.7664, 16.6649, 60.6201

Tritanomaly

17.7251, 16.7120, 34.1898

Monochromacy



Original Color

23.5290, 17.1459, 62.3910

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

18.5522, 17.2054, 31.1973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.5290, 17.1459, 62.3910 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(120, 97, 209)` looks like.

```
.text, #text, p{  
    color:rgb(120, 97, 209)  
}
```

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(120, 97, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 97, 209) }
```

Border

The CSS property to change the border of an element to XYZ 23.5290, 17.1459, 62.3910 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(120, 97, 209) }
```


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

```
.border{ border-color:rgb(120, 97, 209) }
```

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

Here you see how a box with a 4 pixel rgb(120, 97, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 97, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 97, 209);  
box-shadow:4px 4px 4px 4px rgb(120, 97,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 23.5290, 17.1459, 62.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 97, 209) }
```

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

```
.background{ background-color: rgb(120, 97,  
209) }
```

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