

Converting Colors

XYZ(23.6883, 20.4873, 29.5258)

Have a look what the booklet for
XYZ(23.6883, 20.4873, 29.5258)
contains.

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Color

**XYZ(23.7058, 20.5630,
29.5077)**

Conversions

Conversions Part 1

Format	Color
Hex	967291
RGB	150, 114, 145
RGB Percent	59%, 45%, 57%
CMY	0.4118, 0.5529, 0.4314
CMYK	0.00, 0.24, 0.03, 0.41
HSL	308°, 15%, 52%
HSV	308°, 24%, 59%
XYZ	23.7058, 20.5630, 29.5077
YIQ	128.2980, 11.5050, 17.2730

Conversions

Conversions Part 2

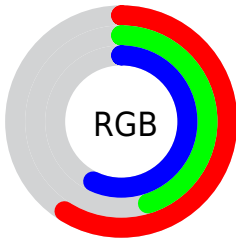
Format	Color
R_{YB}	150, 114, 145
Decimal	9859729
CIE _{Lab}	52.47, 19.61, -11.38
CIE _{LCh}	52, 22.674, 329.880
Yxy	20.5630, 0.3213, 0.2787
Android (android.graphics.Color)	4288049809 (0xFF967291)
YUV	128.2980, 8.2341, 19.0327
Hunter-Lab	45.3464, 13.9583, -6.8385

Details

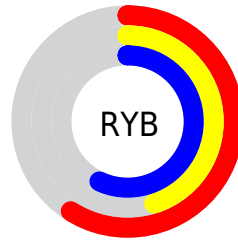
The XYZ color **23.7058, 20.5630, 29.5077** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **21.1763, 26.7226, 21.4957**, and the grayscale version is **20.5913, 21.6636, 23.5917**.

A 20% lighter version of the original color is **49.1219, 44.3751, 60.0091**, and **9.1594, 7.3753, 11.7673** is the 20% darker color. If you saturate the color by 10%, you get **21.9916, 17.3891, 28.1511**, and if you desaturate by 10%, it is **25.7016, 24.2948, 30.9732**.

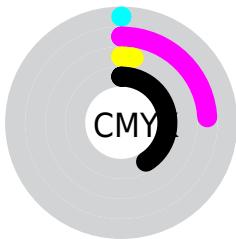
Distribution



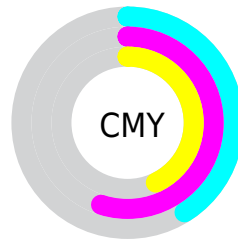
- Red (59%)
- Green (45%)
- Blue (57%)



- Red (59%)
- Yellow (45%)
- Blue (57%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (41%)



- Cyan (41%)
- Magenta (55%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7058, 20.5630, 29.5077 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 23.7058, 20.5630, 29.5077 by changing the saturation by 10% instead.

■ 23.7058, 20.5630,
29.5077

■ 23.7058, 20.5630,
29.5077

263.7979,
254.9469, 313.7385

■ 15.2391, 12.8049,
19.2163

■ 49.0079, 44.3591,
59.9345

■ 9.0748, 7.2944,
11.6483

■ 66.5739, 61.1659,
80.9071

■ 4.8475, 3.6469,
6.3851

■ 87.9038, 81.7578,
106.2771

■ 2.1919, 1.4781,
3.0081

■ 113.3628,
106.5192, 136.4632

■ 0.7385, 0.2732,
1.0988

143.3164,
135.8343, 171.8838

■ 0.0000, 0.0000,
0.0000

178.1299,

170.0878, 212.9576

218.1686,
209.6638, 260.1029

■ 23.7058, 20.5630,
29.5077

■ 23.7058, 20.5630,
29.5077

■ 21.9916, 17.3891,
28.1511

■ 25.7016, 24.2948,
30.9732

■ 20.5438, 14.7434,
26.8975

■ 27.9899, 28.6071,
32.5505

■ 19.3481, 12.5976,
25.7424

■ 30.5829, 33.5242,
34.2442

■ 18.3886, 10.9193,
24.6803

■ 33.4921, 39.0687,
36.0579

■ 17.6473, 9.6729,
23.7051

■ 36.7278, 45.2616,
37.9954

■ 17.1037, 8.8172,
22.8100

■ 40.3004, 52.1233,
40.0600

■ 16.7328, 8.3024,
21.9865

■ 44.2193, 59.6729,
42.2551

■ 16.5513, 8.0735,
21.5127

■ 48.4940, 67.9290,
44.5839

■ 53.1333, 76.9095,
47.0493

Harmonies

Analogous

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



21.8758, 20.5630, 35.5425



23.7058, 20.5630, 29.5077



24.4043, 20.5630, 22.4165

Triad

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



23.7058, 20.5630, 29.5077



19.5539, 20.5630, 11.8075



15.8930, 20.5630, 29.4517

Complementary

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



23.7058, 20.5630, 29.5077



21.1763, 26.7226, 21.4957

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.



15.3769, 20.5630, 22.3627



23.7058, 20.5630, 29.5077



17.3850, 20.5630, 12.9627

Square

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



23.7058, 20.5630, 29.5077



21.8933, 20.5630, 12.9814



15.9011, 20.5630, 16.5195



17.3700, 20.5630, 35.5059

Rectangle

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



23.7058, 20.5630, 29.5077



24.0943, 20.5630, 18.2827



15.9011, 20.5630, 16.5195



15.6069, 20.5630, 27.0697

Sweetspot

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



23.7064, 20.5639, 29.5081



48.0705, 47.9820, 56.5481



19.1036, 18.1455, 31.3500



10.6070, 10.5466, 12.5004



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



23.7064, 20.5639, 29.5081



40.0900, 33.0496, 50.7171



22.4395, 20.0571, 22.8367



6.0010, 5.8955, 7.1116



13.7359, 6.6994, 17.8880



0.1758, 0.0851, 0.2594

Inverse Universe

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



23.7064, 20.5639, 29.5081



40.0900, 33.0496, 50.7171



22.3475, 27.1910, 27.6630



6.0010, 5.8955, 7.1116



13.7359, 6.6994, 17.8880



0.1758, 0.0851, 0.2594

Previews

White Background



This preview shows how the XYZ color 23.7058, 20.5630, 29.5077 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 23.7058, 20.5630, 29.5077 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 23.7058, 20.5630, 29.5077

Background



This preview shows how black text looks on a background with the XYZ color 23.7058, 20.5630, 29.5077.



This preview shows how white text looks on a background with the XYZ color 23.7058, 20.5630,

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

23.7058, 20.5630, 29.5077

Protanopia

20.4829, 20.6042, 32.6032

Deuteranopia

20.9707, 20.5694, 28.8516



Tritanopia

22.1598, 20.4320, 22.5145

Trichromacy



Original Color

23.7058, 20.5630, 29.5077

Protanomaly

21.3472, 20.3487, 31.2363

Deuteranomaly

21.9474, 20.5256, 29.1906

Tritanomaly

22.6918, 20.4801, 24.9474

Monochromacy



Original Color

23.7058, 20.5630, 29.5077

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.5394, 21.1214, 25.4958

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7058, 20.5630, 29.5077 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(150, 114, 145)` looks like.

```
.text, #text, p{  
    color:rgb(150, 114, 145)  
}
```

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(150, 114, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 114, 145) }
```

Border

The CSS property to change the border of an element to XYZ 23.7058, 20.5630, 29.5077 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(150, 114, 145) }
```


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

```
.border{ border-color:rgb(150, 114, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 114, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 114, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 114, 145);  
box-shadow:4px 4px 4px 4px rgb(150, 114,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7058, 20.5630, 29.5077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 114, 145) }
```

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

```
.background{ background-color: rgb(150,  
114, 145) }
```

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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