

Converting Colors

XYZ(23.2888, 20.8431, 29.3638)

Have a look what the booklet for
XYZ(23.2888, 20.8431, 29.3638)
contains.

XYZ(23.2494, 20.8472, 29.1841)	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(23.2494, 20.8472,
29.1841)**

Conversions

Conversions Part 1

Format	Color
Hex	927590
RGB	146, 117, 144
RGB Percent	57%, 46%, 56%
CMY	0.4274, 0.5412, 0.4353
CMYK	0.00, 0.20, 0.01, 0.43
HSL	304°, 12%, 52%
HSV	304°, 20%, 57%
XYZ	23.2494, 20.8472, 29.1841
YIQ	128.7490, 8.6170, 14.5450

Conversions

Conversions Part 2

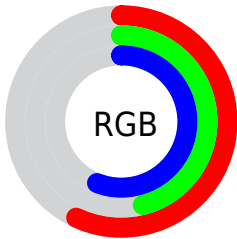
Format	Color
R _Y B	146, 117, 144
Decimal	9598352
CIE Lab	52.78, 16.23, -10.36
CIE LCh	53, 19.253, 327.439
Yxy	20.8472, 0.3173, 0.2845
Android (android.graphics.Color)	4287788432 (0xFF927590)
YUV	128.7490, 7.5187, 15.1291
Hunter-Lab	45.6587, 10.9893, -5.9358

Details

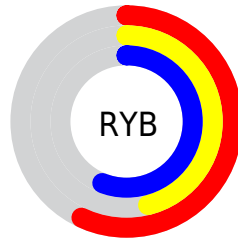
The XYZ color **23.2494, 20.8472, 29.1841** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.9456, 25.6722, 21.3052**, and the grayscale version is **20.7515, 21.8321, 23.7752**.

A 20% lighter version of the original color is **48.2004, 44.7325, 59.5199**, and **8.8678, 7.4973, 11.5694** is the 20% darker color. If you saturate the color by 10%, you get **21.6028, 17.6763, 28.2574**, and if you desaturate by 10%, it is **25.1633, 24.5509, 30.2038**.

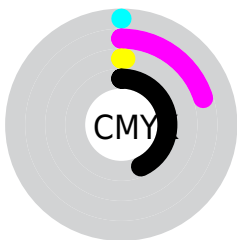
Distribution



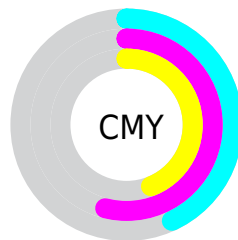
- Red (57%)
- Green (46%)
- Blue (56%)



- Red (57%)
- Yellow (46%)
- Blue (56%)



- Cyan (0%)
- Magenta (20%)
- Yellow (1%)
- Black (43%)



- Cyan (43%)
- Magenta (54%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.2494, 20.8472, 29.1841 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 23.2494, 20.8472, 29.1841 by changing the saturation by 10% instead.

■ 23.2494, 20.8472,
29.1841

■ 23.2494, 20.8472,
29.1841

261.5149,
256.4653, 312.1707

■ 14.8995, 13.0124,
18.9734

■ 48.2662, 44.8331,
59.4151

■ 8.8347, 7.4371,
11.4744

■ 65.6637, 61.7529,
80.2725

■ 4.6898, 3.7369,
6.2687

■ 86.8079, 82.4699,
105.5158

■ 2.0993, 1.5275,
2.9377

112.0640,
107.3684, 135.5636

■ 0.6888, 0.3080,
1.0629

141.7973,
136.8328, 170.8345

■ 0.0000, 0.0000,
0.0000

176.3734,

171.2475, 211.7469

216.1574,
210.9968, 258.7195

■ 23.2494, 20.8472,
29.1841

■ 23.2494, 20.8472,
29.1841

■ 21.6028, 17.6763,
28.2574

■ 25.1633, 24.5509,
30.2038

■ 20.2093, 15.0109,
27.4182

■ 27.3540, 28.8075,
31.3189

■ 19.0563, 12.8254,
26.6625

■ 29.8330, 33.6396,
32.5335

■ 18.1295, 11.0910,
25.9855

■ 32.6105, 39.0675,
33.8511

■ 17.4127, 9.7757,
25.3820

■ 35.6962, 45.1108,
35.2748

■ 16.8880, 8.8435,
24.8458

■ 39.0995, 51.7879,
36.8077

■ 16.5341, 8.2519,
24.3699

■ 42.8290, 59.1167,
38.4529

■ 16.2964, 7.8915,
23.9360

■ 46.8935, 67.1142,
40.2132

■ 16.2932, 7.8867,
23.9301

■ 51.3012, 75.7968,
42.0913

Harmonies

Analogous

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



21.6472, 20.8472, 33.9923



23.2494, 20.8472, 29.1841



23.9266, 20.8472, 23.1967

Triad

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



23.2494, 20.8472, 29.1841



19.9876, 20.8472, 13.3491



16.5823, 20.8472, 28.1840

Complementary

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



23.2494, 20.8472, 29.1841



20.9456, 25.6722, 21.3052

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.



16.2030, 20.8472, 22.2086



23.2494, 20.8472, 29.1841



18.0886, 20.8472, 14.2332

Square

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



23.2494, 20.8472, 29.1841



21.9657, 20.8472, 14.5982



16.7360, 20.8472, 17.2538



17.8088, 20.8472, 33.3498

Rectangle

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



23.2494, 20.8472, 29.1841



23.7303, 20.8472, 19.5445



16.7360, 20.8472, 17.2538



16.3553, 20.8472, 26.1760

Sweetspot

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



23.2500, 20.8481, 29.1845



45.7772, 46.0017, 53.9977



19.1491, 18.7162, 29.7978



10.1366, 10.1422, 11.9882



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



23.2500, 20.8481, 29.1845



39.6143, 34.0765, 50.7080



22.2163, 20.4346, 23.7411



6.0182, 5.9024, 7.2021



14.3412, 6.9416, 21.0758



0.1797, 0.0866, 0.2799

Inverse Universe

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



23.2500, 20.8481, 29.1845



39.6143, 34.0765, 50.7080



21.8794, 26.0457, 26.2225



6.0182, 5.9024, 7.2021



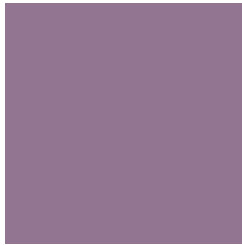
14.3412, 6.9416, 21.0758



0.1797, 0.0866, 0.2799

Previews

White Background



This preview shows how the XYZ color 23.2494, 20.8472, 29.1841 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 23.2494, 20.8472, 29.1841 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 23.2494, 20.8472, 29.1841

Background



This preview shows how black text looks on a background with the XYZ color 23.2494, 20.8472, 29.1841.



This preview shows how white text looks on a background with the XYZ color 23.2494, 20.8472,

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

23.2494, 20.8472, 29.1841

Protanopia

20.6436, 20.9021, 31.3802

Deuteranopia

21.4010, 20.9744, 28.9071



Tritanopia

22.1805, 20.9472, 23.6431

Trichromacy



Original Color

23.2494, 20.8472, 29.1841

Protanomaly

21.4319, 20.7715, 30.4835

Deuteranomaly

21.9486, 20.8922, 28.8624

Tritanomaly

22.5770, 20.9346, 25.4051

Monochromacy



Original Color

23.2494, 20.8472, 29.1841

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.6284, 21.5394, 25.5718

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.2494, 20.8472, 29.1841 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(146, 117, 144) looks like.

```
.text, #text, p{  
    color:rgb(146, 117, 144)  
}
```

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(146, 117, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 117, 144) }
```

Border

The CSS property to change the border of an element to XYZ 23.2494, 20.8472, 29.1841 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(146, 117, 144) }
```


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

```
.border{ border-color:rgb(146, 117, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 117, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 117, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 117, 144);  
box-shadow:4px 4px 4px 4px rgb(146, 117,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 23.2494, 20.8472, 29.1841 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 117, 144) }
```

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

```
.background{ background-color: rgb(146,  
117, 144) }
```

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