

Converting Colors

XYZ(23.6628, 29.3276, 25.8064)

Have a look what the booklet for
XYZ(23.6628, 29.3276, 25.8064)
contains.

XYZ(23.7309, 29.4087, 25.8984)	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(23.7309, 29.4087,
25.8984)**

Conversions

Conversions Part 1

Format	Color
Hex	789C83
RGB	120, 156, 131
RGB Percent	47%, 61%, 51%
CMY	0.5294, 0.3882, 0.4863
CMYK	0.23, 0.00, 0.16, 0.39
HSL	138°, 15%, 54%
HSV	138°, 23%, 61%
XYZ	23.7309, 29.4087, 25.8984
YIQ	142.3860, -13.4310, -15.4070

Conversions

Conversions Part 2

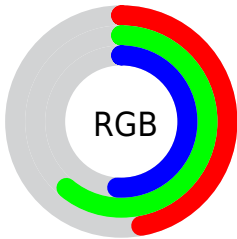
Format	Color
RYB	120, 148, 156
Decimal	7904387
CIELab	61.14, -17.66, 9.08
CIElCh	61, 19.858, 152.780
Yxy	29.4087, 0.3002, 0.3721
Android (android.graphics.Color)	4286094467 (0xFF789C83)
YUV	142.3860, -5.6133, -19.6325
Hunter-Lab	54.2298, -16.7907, 9.6459

Details

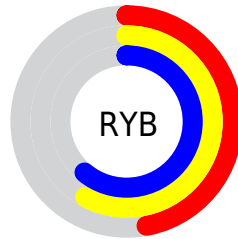
The XYZ color **23.7309, 29.4087, 25.8984** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **25.5386, 22.5458, 29.7950**, and the grayscale version is **25.8901, 27.2384, 29.6626**.

A 20% lighter version of the original color is **49.1796, 58.9335, 54.1307**, and **9.1731, 12.0519, 9.8254** is the 20% darker color. If you saturate the color by 10%, you get **21.0449, 28.1053, 22.1383**, and if you desaturate by 10%, it is **26.8478, 30.9270, 30.0807**.

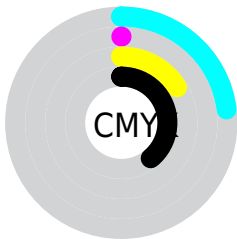
Distribution



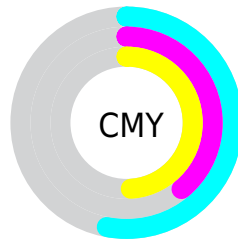
- Red (47%)
- Green (61%)
- Blue (51%)



- Red (47%)
- Yellow (58%)
- Blue (61%)



- Cyan (23%)
- Magenta (0%)
- Yellow (16%)
- Black (39%)



- Cyan (53%)
- Magenta (39%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7309, 29.4087, 25.8984 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 23.7309, 29.4087, 25.8984 by changing the saturation by 10% instead.

■ 23.7309, 29.4087,
25.8984

■ 23.7309, 29.4087,
25.8984

263.9230,
299.1385, 295.8726

■ 15.2578, 19.3902,
16.5226

■ 49.0486, 58.7258,
54.0931

■ 9.0880, 11.9526,
9.7363

■ 66.6239, 78.7932,
73.7490

■ 4.8562, 6.7114,
5.1212

■ 87.9639, 102.9790,
97.6687

■ 2.1970, 3.2823,
2.2586

113.4341,
131.6677, 126.2707

■ 0.7412, 1.2808,
0.7079

143.3997,
165.2436, 159.9735

■ 0.0000, 0.1263,
0.0000

178.2261,

■ 0.0000, 0.0000,

204.0911, 199.1957

0.0000

218.2788,
248.5946, 244.3559

■ 23.7309, 29.4087,
25.8984

■ 23.7309, 29.4087,
25.8984

■ 21.0449, 28.1053,
22.1383

■ 26.8478, 30.9270,
30.0807

■ 18.7680, 27.0034,
18.7854

■ 30.4114, 32.6657,
34.6960

■ 16.8802, 26.0937,
15.8263

■ 34.4395, 34.6344,
39.7568

■ 15.3584, 25.3647,
13.2466

■ 38.9484, 36.8413,
45.2747

■ 14.1775, 24.8038,
11.0306

■ 43.9533, 39.2942,
51.2610

■ 13.3086, 24.3963,
9.1616

■ 49.4691, 42.0002,
57.7263

■ 12.7179, 24.1253,
7.6215

■ 55.5096, 44.9666,
64.6811

■ 12.4157, 23.9887,
6.7362

■ 62.0886, 48.2000,
72.1354

■ 67.2028, 50.6676,
80.0047

Harmonies

Analogous

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



25.3273, 29.4087, 21.4126



23.7309, 29.4087, 25.8984



23.2423, 29.4087, 32.7218

Triad

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



23.7309, 29.4087, 25.8984



28.1957, 29.4087, 48.5898



32.3777, 29.4087, 24.8664

Complementary

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



23.7309, 29.4087, 25.8984



25.5386, 22.5458, 29.7950

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.



33.2587, 29.4087, 31.3304



23.7309, 29.4087, 25.8984



30.7522, 29.4087, 45.6570

Square

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



23.7309, 29.4087, 25.8984



25.7234, 29.4087, 46.5440



32.6463, 29.4087, 39.0398



30.3060, 29.4087, 20.8850

Rectangle

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



23.7309, 29.4087, 25.8984



23.5842, 29.4087, 37.9019



32.6463, 29.4087, 39.0398



32.8285, 29.4087, 26.7824

Sweetspot

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



23.7317, 29.4099, 25.8991



52.5051, 57.9956, 59.5149



26.9921, 31.1723, 22.3638



11.4778, 12.7247, 12.9981



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



23.7317, 29.4099, 25.8991



40.3349, 52.0701, 43.2043



25.0440, 29.9348, 32.8094



6.6300, 7.4328, 7.4864



10.2402, 19.7640, 5.6219



0.2007, 0.3604, 0.1932

Inverse Universe

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



25.5386, 22.5458, 29.7950



44.2381, 37.2360, 51.6157



24.2714, 22.0390, 23.1222



6.8178, 6.7200, 7.8915



13.5533, 6.7259, 12.4305



0.2602, 0.1274, 0.3162

Previews

White Background



This preview shows how the XYZ color 23.7309, 29.4087, 25.8984 looks on a white background.

Color Contrast Check

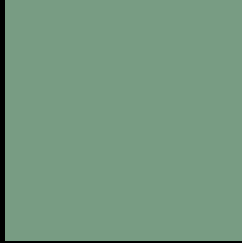
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.7309, 29.4087, 25.8984 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 23.7309, 29.4087, 25.8984

Background



This preview shows how black text looks on a background with the XYZ color 23.7309, 29.4087, 25.8984.



This preview shows how white text looks on a background with the XYZ color 23.7309, 29.4087,

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

23.7309, 29.4087, 25.8984

Protanopia

27.7172, 29.3424, 23.9415

Deuteranopia

29.7020, 29.1742, 26.6200



Tritanopia

26.3716, 29.2492, 39.3777

Trichromacy



Original Color

23.7309, 29.4087, 25.8984

Protanomaly

25.9580, 29.1220, 24.6751

Deuteranomaly

27.0618, 28.9505, 26.3520

Tritanomaly

25.3709, 29.3346, 34.0307

Monochromacy



Original Color

23.7309, 29.4087, 25.8984

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

24.8527, 27.7707, 28.0952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7309, 29.4087, 25.8984 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, 156, 131)` looks like.

```
.text, #text, p{  
    color:rgb(120, 156, 131)  
}
```

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, 156, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 156, 131) }
```

Border

The CSS property to change the border of an element to XYZ 23.7309, 29.4087, 25.8984 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, 156, 131) }
```


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

```
.border{ border-color:rgb(120, 156, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 156, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 156, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 156, 131);  
box-shadow:4px 4px 4px 4px rgb(120, 156,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7309, 29.4087, 25.8984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 156, 131) }
```

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

```
.background{ background-color: rgb(120,  
156, 131) }
```

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