

Converting Colors

XYZ(23.2568, 28.8231, 24.7065)

Have a look what the booklet for
XYZ(23.2568, 28.8231, 24.7065)
contains.

XYZ(23.3634, 28.9943, 24.7871)	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(23.3634, 28.9943,
24.7871)**

Conversions

Conversions Part 1

Format	Color
Hex	789B80
RGB	120, 155, 128
RGB Percent	47%, 61%, 50%
CMY	0.5294, 0.3921, 0.4980
CMYK	0.23, 0.00, 0.17, 0.39
HSL	134°, 15%, 54%
HSV	134°, 23%, 61%
XYZ	23.3634, 28.9943, 24.7871
YIQ	141.4570, -12.1930, -15.8170

Conversions

Conversions Part 2

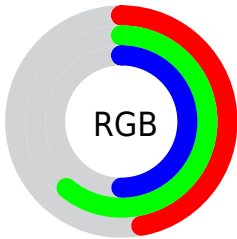
Format	Color
RYB	120, 148, 155
Decimal	7904128
CIELab	60.78, -17.72, 10.25
CIElCh	61, 20.476, 149.948
Yxy	28.9943, 0.3029, 0.3758
Android (android.graphics.Color)	4286094208 (0xFF789B80)
YUV	141.4570, -6.6343, -18.8178
Hunter-Lab	53.8464, -16.7817, 10.3995

Details

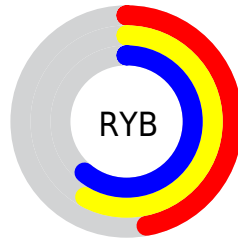
The XYZ color **23.3634, 28.9943, 24.7871** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **25.5016, 22.5089, 30.6058**, and the grayscale version is **25.5263, 26.8557, 29.2458**.

A 20% lighter version of the original color is **48.6207, 58.3136, 52.4091**, and **8.9601, 11.8047, 9.2034** is the 20% darker color. If you saturate the color by 10%, you get **20.6441, 27.6789, 20.7908**, and if you desaturate by 10%, it is **26.5251, 30.5287, 29.2896**.

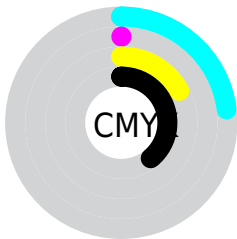
Distribution



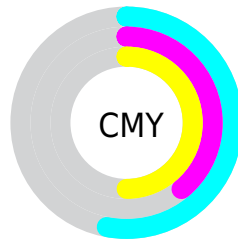
- Red (47%)
- Green (61%)
- Blue (50%)



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



- Cyan (23%)
- Magenta (0%)
- Yellow (17%)
- Black (39%)



- Cyan (53%)
- Magenta (39%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3634, 28.9943, 24.7871 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 23.3634, 28.9943, 24.7871 by changing the saturation by 10% instead.

■ 23.3634, 28.9943,
24.7871

■ 23.3634, 28.9943,
24.7871

262.0867,
297.1881, 290.1897

■ 14.9842, 19.0765,
15.7009

■ 48.4516, 58.0680,
52.2715

■ 8.8946, 11.7256,
9.1607

■ 65.8914, 77.9928,
71.5067

■ 4.7290, 6.5571,
4.7479

■ 87.0821, 102.0219,
94.9621

■ 2.1223, 3.1867,
2.0440

112.3890,
130.5399, 123.0562

■ 0.7013, 1.2300,
0.5821

142.1776,
163.9311, 156.2074

■ 0.0000, 0.0860,
0.0000

176.8132,

■ 0.0000, 0.0000,

202.5800, 194.8344

0.0000

216.6611,
246.8708, 239.3556

■ 23.3634, 28.9943,
24.7871

■ 23.3634, 28.9943,
24.7871

■ 20.6441, 27.6789,
20.7908

■ 26.5251, 30.5287,
29.2896

■ 18.3448, 26.5689,
17.2810

■ 30.1455, 32.2876,
34.3132

■ 16.4450, 25.6548,
14.2397

■ 34.2428, 34.2810,
39.8746

■ 14.9211, 24.9251,
11.6470

■ 38.8338, 36.5172,
45.9890

■ 13.7472, 24.3666,
9.4816

■ 43.9343, 39.0039,
52.6711

■ 12.8939, 23.9648,
7.7202

■ 49.5593, 41.7488,
59.9352

■ 12.3268, 23.7025,
6.3376

■ 55.7234, 44.7589,
67.7949

■ 12.0316, 23.5677,
5.5384

■ 62.4404, 48.0412,
76.2634

■ 68.0471, 50.7379,
85.2751

Harmonies

Analogous

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



25.0826, 28.9943, 20.5014



23.3634, 28.9943, 24.7871



22.7529, 28.9943, 31.5567

Triad

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



23.3634, 28.9943, 24.7871



27.5536, 28.9943, 48.6027



32.2324, 28.9943, 24.8065

Complementary

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



23.3634, 28.9943, 24.7871



25.5016, 22.5089, 30.6058

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.



32.9966, 28.9943, 31.5830



23.3634, 28.9943, 24.7871



30.1916, 28.9943, 46.0410

Square

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



23.3634, 28.9943, 24.7871



25.0751, 28.9943, 46.0241



32.2273, 28.9943, 39.4892



30.2001, 28.9943, 20.5113

Rectangle

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



23.3634, 28.9943, 24.7871



23.0240, 28.9943, 36.8365



32.2273, 28.9943, 39.4892



32.6517, 28.9943, 26.8308

Sweetspot

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



23.3642, 28.9955, 24.7877



50.9275, 56.3350, 57.2329



27.2202, 31.0418, 22.3268



11.4488, 12.7131, 12.8457



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.



23.3642, 28.9955, 24.7877



39.3354, 50.7121, 40.7394



24.5853, 29.4840, 31.2181



6.1871, 6.9476, 6.9088



9.6761, 18.9339, 4.5150



0.1567, 0.2879, 0.1310

Inverse Universe

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



25.5016, 22.5089, 30.6058



43.8387, 37.0405, 52.9938



24.2587, 22.0117, 24.0606



6.4008, 6.2995, 7.4907



13.5746, 6.6841, 14.8167



0.2162, 0.1052, 0.2914

Previews

White Background



This preview shows how the XYZ color 23.3634, 28.9943, 24.7871 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 23.3634, 28.9943, 24.7871 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 23.3634, 28.9943, 24.7871

Background



This preview shows how black text looks on a background with the XYZ color 23.3634, 28.9943, 24.7871.



This preview shows how white text looks on a background with the XYZ color 23.3634, 28.9943,

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

23.3634, 28.9943, 24.7871

Protanopia

27.1805, 28.8579, 22.8765

Deuteranopia

29.3475, 28.7954, 25.4840



Tritanopia

26.0321, 28.8569, 38.3803

Trichromacy



Original Color

23.3634, 28.9943, 24.7871

Protanomaly

25.6044, 28.7263, 23.5973

Deuteranomaly

26.7026, 28.5590, 25.2242

Tritanomaly

25.0454, 28.9436, 33.1208

Monochromacy



Original Color

23.3634, 28.9943, 24.7871

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.3957, 27.3219, 27.2804

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3634, 28.9943, 24.7871 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, 155, 128)` looks like.

```
.text, #text, p{  
    color:rgb(120, 155, 128)  
}
```

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, 155, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 155, 128) }
```

Border

The CSS property to change the border of an element to XYZ 23.3634, 28.9943, 24.7871 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, 155, 128) }
```


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

```
.border{ border-color:rgb(120, 155, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 155, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 155, 128); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 155, 128);  
box-shadow:4px 4px 4px 4px rgb(120, 155,  
128) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3634, 28.9943, 24.7871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 155, 128) }
```

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

```
.background{ background-color: rgb(120,  
155, 128) }
```

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