

Converting Colors

XYZ(23.4371, 29.0511, 28.7965)

Have a look what the booklet for
XYZ(23.4371, 29.0511, 28.7965)
contains.

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Color

**XYZ(23.3210, 28.8842,
28.7722)**

Conversions

Conversions Part 1

Format	Color
Hex	729B8B
RGB	114, 155, 139
RGB Percent	45%, 61%, 55%
CMY	0.5529, 0.3921, 0.4549
CMYK	0.26, 0.00, 0.10, 0.39
HSL	157°, 17%, 53%
HSV	157°, 26%, 61%
XYZ	23.3210, 28.8842, 28.7722
YIQ	140.9170, -19.3000, -13.6680

Conversions

Conversions Part 2

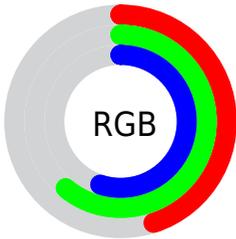
Format	Color
RYB	114, 139, 155
Decimal	7510923
CIELab	60.68, -17.49, 3.86
CIElCh	61, 17.915, 167.544
Yxy	28.8842, 0.2880, 0.3567
Android (android.graphics.Color)	4285701003 (0xFF729B8B)
YUV	140.9170, -0.9451, -23.6062
Hunter-Lab	53.7440, -16.5960, 5.8795

Details

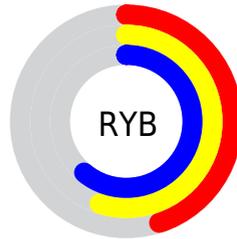
The XYZ color **23.3210, 28.8842, 28.7722** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **23.5652, 20.6157, 23.8575**, and the grayscale version is **25.2946, 26.6119, 28.9803**.

A 20% lighter version of the original color is **48.4974, 58.1144, 58.5303**, and **8.9335, 11.7457, 11.2475** is the 20% darker color. If you saturate the color by 10%, you get **21.0435, 27.7605, 26.4221**, and if you desaturate by 10%, it is **25.9663, 30.1962, 31.2684**.

Distribution



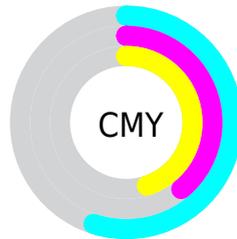
- Red (45%)
- Green (61%)
- Blue (55%)



- Red (45%)
- Yellow (55%)
- Blue (61%)



- Cyan (26%)
- Magenta (0%)
- Yellow (10%)
- Black (39%)



- Cyan (55%)
- Magenta (39%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.3210, 28.8842, 28.7722 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 23.3210, 28.8842, 28.7722 by changing the saturation by 10% instead.

■ 23.3210, 28.8842,
28.7722

■ 23.3210, 28.8842,
28.7722

261.8741,
296.6682, 310.1658

■ 14.9527, 18.9932,
18.6645

■ 48.3827, 57.8931,
58.7528

■ 8.8723, 11.6654,
11.2537

■ 65.8067, 77.7797,
79.4628

■ 4.7144, 6.5163,
6.1215

■ 86.9801, 101.7671,
104.5439

■ 2.1137, 3.1615,
2.8491

■ 112.2682,
130.2396, 134.4147

■ 0.6967, 1.2166,
1.0181

142.0362,
163.5815, 169.4938

■ 0.0000, 0.0752,
0.0000

176.6497,

■ 0.0000, 0.0000,

202.1773, 210.1997

0.0000

216.4739,
246.4114, 256.9508

■ 23.3210, 28.8842,
28.7722

■ 23.3210, 28.8842,
28.7722

■ 21.0435, 27.7605,
26.4221

■ 25.9663, 30.1962,
31.2684

■ 19.1137, 26.8126,
24.2133

■ 28.9934, 31.7013,
33.9116

■ 17.5133, 26.0317,
22.1436

■ 32.4183, 33.4087,
36.7051

■ 16.2213, 25.4071,
20.2096

■ 36.2557, 35.3257,
39.6515

■ 15.2141, 24.9267,
18.4083

■ 40.5193, 37.4594,
42.7532

■ 14.4645, 24.5765,
16.7359

■ 45.2221, 39.8165,
46.0127

■ 13.9324, 24.3359,
15.1883

■ 50.3768, 42.4035,
49.4325

■ 13.7652, 24.2611,
14.6673

■ 55.9953, 45.2265,
53.0148

■ 62.0892, 48.2914,
56.7619

Harmonies

Analogous

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



24.2898, 28.8842, 23.5850



23.3210, 28.8842, 28.7722



23.4131, 28.8842, 35.4637

Triad

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



23.3210, 28.8842, 28.7722



28.8214, 28.8842, 45.2836



30.5787, 28.8842, 22.9286

Complementary

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



23.3210, 28.8842, 28.7722



23.5652, 20.6157, 23.8575

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.



31.9340, 28.8842, 27.7512



23.3210, 28.8842, 28.7722



30.8808, 28.8842, 40.8939

Square

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



23.3210, 28.8842, 28.7722



26.5019, 28.8842, 45.6593



32.0476, 28.8842, 34.2890



28.4277, 28.8842, 20.5446

Rectangle

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



23.3210, 28.8842, 28.7722



24.0639, 28.8842, 39.9022



32.0476, 28.8842, 34.2890



31.1475, 28.8842, 24.2845

Sweetspot

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



23.3218, 28.8854, 28.7728



50.9484, 56.2867, 59.9040



24.0270, 29.4364, 20.3355



11.3506, 12.6500, 13.4035



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.



23.3218, 28.8854, 28.7728



39.1713, 50.4467, 48.8983



23.9073, 28.0462, 35.1652



6.2824, 6.9857, 7.4104



11.0749, 19.4934, 11.8807



0.1833, 0.2985, 0.2712

Inverse Universe

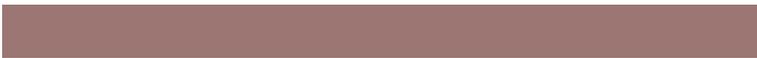
The Inverse Universe completely reimagines the original color for something new.



23.5652, 20.6157, 23.8575



39.6867, 32.9811, 38.5241



23.0460, 21.1647, 18.7906



6.3036, 6.2606, 6.9790



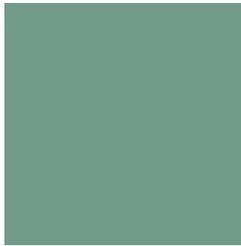
11.5407, 5.8705, 4.1062



0.1896, 0.0946, 0.1512

Previews

White Background



This preview shows how the XYZ color 23.3210, 28.8842, 28.7722 looks on a white background.

Color Contrast Check

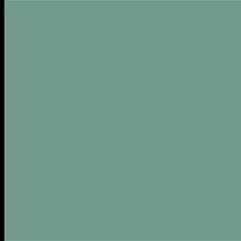
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.3210, 28.8842, 28.7722 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

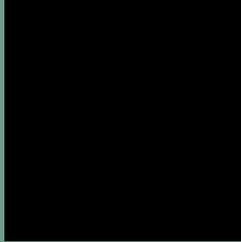
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.3210, 28.8842, 28.7722

Background



This preview shows how black text looks on a background with the XYZ color 23.3210, 28.8842, 28.7722.



This preview shows how white text looks on a background with the XYZ color 23.3210, 28.8842,

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

23.3210, 28.8842, 28.7722

Protanopia

27.1910, 28.5513, 26.6321

Deuteranopia

29.1053, 28.5798, 29.5736



Tritanopia

25.3752, 28.7355, 39.3310

Trichromacy



Original Color

23.3210, 28.8842, 28.7722

Protanomaly

25.6726, 28.6757, 27.4744

Deuteranomaly

26.5882, 28.4101, 29.2817

Tritanomaly

24.4807, 28.6049, 35.2414

Monochromacy



Original Color

23.3210, 28.8842, 28.7722

Achromatopsia

25.3171, 26.6356, 29.0061

Achromatomaly

24.3726, 27.2765, 28.7913

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.3210, 28.8842, 28.7722 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(114, 155, 139)` looks like.

```
.text, #text, p{  
    color:rgb(114, 155, 139)  
}
```

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(114, 155, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 155, 139) }
```

Border

The CSS property to change the border of an element to XYZ 23.3210, 28.8842, 28.7722 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(114, 155, 139) }
```

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

```
.border{ border-color:rgb(114, 155, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 155, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 155, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 155, 139);  
box-shadow:4px 4px 4px 4px rgb(114, 155,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 23.3210, 28.8842, 28.7722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 155, 139) }
```

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

```
.background{ background-color: rgb(114,  
155, 139) }
```

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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