

Converting Colors

XYZ(23.0580, 28.2361, 17.9599)

Have a look what the booklet for
XYZ(23.0580, 28.2361, 17.9599)
contains.

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Color

**XYZ(23.0357, 28.2429,
17.8730)**

Conversions

Conversions Part 1

Format	Color
Hex	82986A
RGB	130, 152, 106
RGB Percent	51%, 60%, 42%
CMY	0.4902, 0.4039, 0.5843
CMYK	0.14, 0.00, 0.30, 0.40
HSL	89°, 18%, 51%
HSV	89°, 30%, 60%
XYZ	23.0357, 28.2429, 17.8730
YIQ	140.1780, 1.6540, -18.9700

Conversions

Conversions Part 2

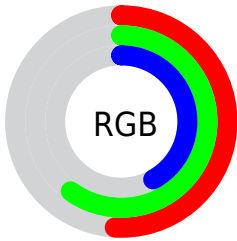
Format	Color
R_{YB}	106, 152, 128
Decimal	8558698
CIE Lab	60.11, -16.31, 21.71
CIE LCh	60, 27.157, 126.914
Yxy	28.2429, 0.3331, 0.4084
Android (android.graphics.Color)	4286748778 (0xFF82986A)
YUV	140.1780, -16.8498, -8.9261
Hunter-Lab	53.1440, -15.6299, 17.2609

Details

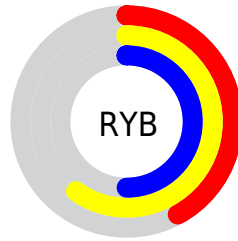
The XYZ color **23.0357, 28.2429, 17.8730** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **19.7247, 17.1650, 31.9809**, and the grayscale version is **25.0601, 26.3652, 28.7117**.

A 20% lighter version of the original color is **47.7713, 56.6785, 40.7700**, and **8.7257, 11.3183, 5.7278** is the 20% darker color. If you saturate the color by 10%, you get **21.2384, 27.4006, 14.0221**, and if you desaturate by 10%, it is **25.0534, 29.1844, 22.4668**.

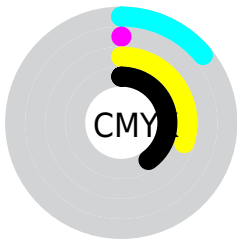
Distribution



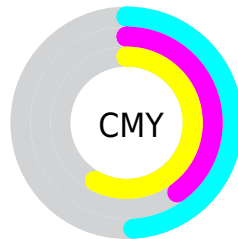
- Red (51%)
- Green (60%)
- Blue (42%)



- Red (42%)
- Yellow (60%)
- Blue (50%)



- Cyan (14%)
- Magenta (0%)
- Yellow (30%)
- Black (40%)



- Cyan (49%)
- Magenta (40%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0357, 28.2429, 17.8730 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 23.0357, 28.2429, 17.8730 by changing the saturation by 10% instead.

■ 23.0357, 28.2429,
17.8730

■ 23.0357, 28.2429,
17.8730

260.4402,
293.6258, 252.3663

■ 14.7407, 18.5088,
10.6903

■ 47.9182, 56.8720,
40.6318

■ 8.7227, 11.3159,
5.7475

■ 65.2364, 76.5359,
57.0451

■ 4.6164, 6.2797,
2.6259

■ 86.2930, 100.2784,
77.3722

■ 2.0564, 3.0159,
0.9058

■ 111.4534,
128.4841, 102.0319

■ 0.6654, 1.1401,
0.0000

141.0830,
161.5373, 131.4426

■ 0.0000, 0.0119,
0.0000

175.5471,

■ 0.0000, 0.0000,

199.8223, 166.0229

0.0000

215.2110,
243.7237, 206.1912

■ 23.0357, 28.2429,
17.8730

■ 23.0357, 28.2429,
17.8730

■ 21.2384, 27.4006,
14.0221

■ 25.0534, 29.1844,
22.4668

■ 19.6503, 26.6500,
10.8732

■ 27.2978, 30.2248,
27.8380

■ 18.2625, 25.9882,
8.3844

■ 29.7775, 31.3689,
34.0208

■ 17.0641, 25.4107,
6.5083

■ 32.5000, 32.6197,
41.0471

■ 16.0433, 24.9125,
5.1913

■ 35.4725, 33.9803,
48.9470

■ 15.1863, 24.4880,
4.3707

■ 38.7019, 35.4536,
57.7492

■ 14.4782, 24.1328,
3.8950

■ 42.1946, 37.0424,
67.4809

■ 45.9569, 38.7493,
78.1683

■ 49.9950, 40.5769,
89.8366

Harmonies

Analogous

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



26.0494, 28.2429, 15.4252



23.0357, 28.2429, 17.8730



21.1664, 28.2429, 23.8564

Triad

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



23.0357, 28.2429, 17.8730



24.3139, 28.2429, 51.8716



34.0210, 28.2429, 28.5100

Complementary

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



23.0357, 28.2429, 17.8730



19.7247, 17.1650, 31.9809

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.



33.4557, 28.2429, 38.8621



23.0357, 28.2429, 17.8730



27.6546, 28.2429, 53.8664

Square

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



23.0357, 28.2429, 17.8730



21.8588, 28.2429, 43.7037



31.0505, 28.2429, 48.6823



32.5348, 28.2429, 20.6506

Rectangle

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



23.0357, 28.2429, 17.8730



20.7222, 28.2429, 29.7354



31.0505, 28.2429, 48.6823



34.0664, 28.2429, 31.7910

Sweetspot

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



23.0364, 28.2441, 17.8736



48.6370, 53.5580, 50.2518



23.2013, 23.0166, 16.8559



10.9257, 12.1135, 11.1061



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



23.0364, 28.2441, 17.8736



38.5736, 48.8738, 27.0257



19.9583, 26.6573, 17.7296



6.4242, 7.0761, 6.6331



12.1751, 20.2523, 3.2674



0.2240, 0.3244, 0.0508

Inverse Universe

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



19.7247, 17.1650, 31.9809



31.8138, 26.2568, 55.8250



23.4864, 19.1042, 32.1569



6.1515, 6.1640, 7.7945



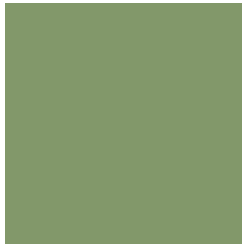
7.0725, 3.0970, 25.1327



0.1474, 0.0678, 0.3777

Previews

White Background



This preview shows how the XYZ color 23.0357, 28.2429, 17.8730 looks on a white background.

Color Contrast Check

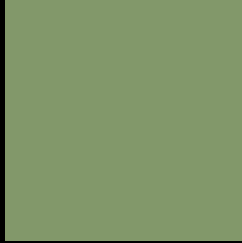
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.0357, 28.2429, 17.8730 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

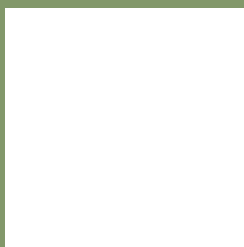
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0357, 28.2429, 17.8730

Background



This preview shows how black text looks on a background with the XYZ color 23.0357, 28.2429, 17.8730.



This preview shows how white text looks on a background with the XYZ color 23.0357, 28.2429,

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

23.0357, 28.2429, 17.8730

Protanopia

26.1317, 27.9937, 16.8580

Deuteranopia

28.5705, 28.1154, 18.3890



Tritanopia

26.5277, 28.0035, 35.9053

Trichromacy



Original Color

23.0357, 28.2429, 17.8730

Protanomaly

24.9650, 28.0700, 17.1989

Deuteranomaly

26.1976, 27.9978, 18.2107

Tritanomaly

25.0089, 28.0831, 28.1472

Monochromacy



Original Color

23.0357, 28.2429, 17.8730

Achromatopsia

24.9269, 26.2251, 28.5591

Achromatomaly

24.0229, 26.7393, 24.3171

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0357, 28.2429, 17.8730 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(130, 152, 106)` looks like.

```
.text, #text, p{  
    color:rgb(130, 152, 106)  
}
```

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(130, 152, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 152, 106) }
```

Border

The CSS property to change the border of an element to XYZ 23.0357, 28.2429, 17.8730 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(130, 152, 106) }
```


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

```
.border{ border-color:rgb(130, 152, 106) }
```

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

Here you see how a box with a 4 pixel rgb(130, 152, 106) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 152, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 152, 106);  
box-shadow:4px 4px 4px 4px rgb(130, 152,  
106) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0357, 28.2429, 17.8730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 152, 106) }
```

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

```
.background{ background-color: rgb(130,  
152, 106) }
```

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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