

Converting Colors

XYZ(19.8509, 28.5162, 17.0538)

Have a look what the booklet for
XYZ(19.8509, 28.5162, 17.0538)
contains.

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Color

**XYZ(19.8988, 28.6423,
17.0501)**

Conversions

Conversions Part 1

Format	Color
Hex	61A066
RGB	97, 160, 102
RGB Percent	38%, 63%, 40%
CMY	0.6196, 0.3725, 0.6000
CMYK	0.39, 0.00, 0.36, 0.37
HSL	125°, 25%, 50%
HSV	125°, 39%, 63%
XYZ	19.8988, 28.6423, 17.0501
YIQ	134.5510, -18.9300, -31.3940

Conversions

Conversions Part 2

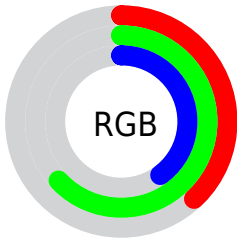
Format	Color
R_{YB}	97, 155, 160
Decimal	6398054
CIE _{Lab}	60.46, -32.70, 24.04
CIE _{LCh}	60, 40.580, 143.680
Yxy	28.6423, 0.3034, 0.4367
Android (android.graphics.Color)	4284588134 (0xFF61A066)
YUV	134.5510, -16.0476, -32.9322
Hunter-Lab	53.5185, -27.2890, 18.5741

Details

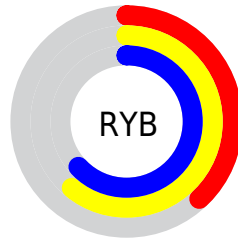
The XYZ color **19.8988, 28.6423, 17.0501** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **24.6891, 18.3900, 33.2596**, and the grayscale version is **22.9259, 24.1199, 26.2665**.

A 20% lighter version of the original color is **42.7109, 57.4180, 39.4035**, and **7.1106, 11.5494, 5.3445** is the 20% darker color. If you saturate the color by 10%, you get **17.6961, 27.5847, 13.4668**, and if you desaturate by 10%, it is **22.5767, 29.9316, 21.3345**.

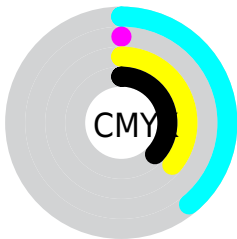
Distribution



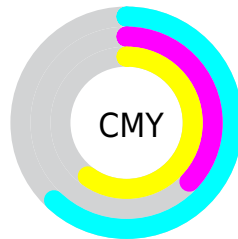
- Red (38%)
- Green (63%)
- Blue (40%)



- Red (38%)
- Yellow (61%)
- Blue (63%)



- Cyan (39%)
- Magenta (0%)
- Yellow (36%)
- Black (37%)



- Cyan (62%)
- Magenta (37%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.8988, 28.6423, 17.0501 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 19.8988, 28.6423, 17.0501 by changing the saturation by 10% instead.

■ 19.8988, 28.6423,
17.0501

■ 19.8988, 28.6423,
17.0501

244.2108,
295.5235, 247.5146

■ 12.4293, 18.8104,
10.1079

■ 42.7527, 57.5083,
39.2037

■ 7.1111, 11.5334,
5.3640

■ 58.8678, 77.3112,
55.2522

■ 3.5786, 6.4268,
2.3999

■ 78.5956, 101.2065,
75.1732

■ 1.4666, 3.1063,
0.7864

■ 102.3013,
129.5786, 99.3852

■ 0.3029, 1.1875,
0.0000

130.3503,
162.8120, 128.3069

■ 0.0000, 0.0514,
0.0000

163.1080,

■ 0.0000, 0.0000,

201.2910, 162.3566

0.0000

200.9397,
245.4000, 201.9530

■ 19.8988, 28.6423,
17.0501

■ 19.8988, 28.6423,
17.0501

■ 17.6961, 27.5847,
13.4668

■ 22.5767, 29.9316,
21.3345

■ 15.9388, 26.7415,
10.5455

■ 25.7529, 31.4612,
26.3526

■ 14.5969, 26.0993,
8.2462

■ 29.4519, 33.2439,
32.1370

■ 13.6361, 25.6411,
6.5238

■ 33.6958, 35.2905,
38.7181

■ 13.0163, 25.3474,
5.3273

■ 38.5054, 37.6110,
46.1245

■ 12.6606, 25.1799,
4.5950

■ 43.9005, 40.2150,
54.3833

■ 12.6421, 25.1710,
4.5629

■ 49.8997, 43.1117,
63.5205

■ 56.5211, 46.3098,
73.5610

■ 63.7819, 49.8176,
84.5285

Harmonies

Analogous

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



23.3815, 28.6423, 11.5488



19.8988, 28.6423, 17.0501



18.4023, 28.6423, 28.1225

Triad

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



19.8988, 28.6423, 17.0501



26.1316, 28.6423, 69.4602



37.5100, 28.6423, 20.9913

Complementary

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



19.8988, 28.6423, 17.0501



24.6891, 18.3900, 33.2596

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.



38.4911, 28.6423, 34.4655



19.8988, 28.6423, 17.0501



31.4652, 28.6423, 65.6936

Square

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



19.8988, 28.6423, 17.0501



21.6915, 28.6423, 60.6206



36.1560, 28.6423, 51.5427



33.6245, 28.6423, 13.2620

Rectangle

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



19.8988, 28.6423, 17.0501



18.5755, 28.6423, 38.5052



36.1560, 28.6423, 51.5427



38.2095, 28.6423, 24.8596

Sweetspot

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



19.8995, 28.6435, 17.0507



51.4570, 59.3865, 55.2050



28.4013, 33.0541, 16.1925



11.1054, 12.9376, 11.8264



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.8995, 28.6435, 17.0507



32.6656, 50.3410, 25.3299



21.7143, 29.3694, 26.6069



6.5711, 7.4092, 7.1758



9.8548, 19.6099, 3.5926



0.1817, 0.3528, 0.0934

Inverse Universe

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



24.6891, 18.3900, 33.2596



42.5657, 29.1313, 58.8221



22.4298, 17.4863, 21.3619



6.8814, 6.7455, 8.2267



15.4214, 7.4731, 22.2677



0.2818, 0.1360, 0.4299

Previews

White Background



This preview shows how the XYZ color 19.8988, 28.6423, 17.0501 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 19.8988, 28.6423, 17.0501 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

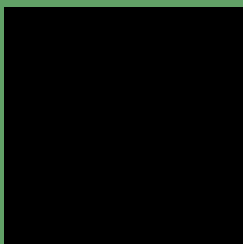
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 19.8988, 28.6423, 17.0501

Background



This preview shows how black text looks on a background with the XYZ color 19.8988, 28.6423, 17.0501.



This preview shows how white text looks on a background with the XYZ color 19.8988, 28.6423,

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

19.8988, 28.6423, 17.0501

Protanopia

26.1413, 28.2634, 15.1439

Deuteranopia

28.8997, 28.2974, 17.8487



Tritanopia

24.4502, 28.4881, 39.8074

Trichromacy



Original Color

19.8988, 28.6423, 17.0501

Protanomaly

23.1026, 27.8454, 15.7123

Deuteranomaly

24.6606, 27.9071, 17.4515

Tritanomaly

22.4295, 28.3989, 29.8906

Monochromacy



Original Color

19.8988, 28.6423, 17.0501

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.4336, 25.4415, 22.5199

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.8988, 28.6423, 17.0501 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(97, 160, 102)` looks like.

```
.text, #text, p{  
    color:rgb(97, 160, 102)  
}
```

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(97, 160, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 160, 102) }
```

Border

The CSS property to change the border of an element to XYZ 19.8988, 28.6423, 17.0501 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(97, 160, 102) }
```


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

```
.border{ border-color:rgb(97, 160, 102) }
```

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

Here you see how a box with a 4 pixel rgb(97, 160, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 160, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 160, 102);  
box-shadow:4px 4px 4px 4px rgb(97, 160,  
102) }
```

Background

The CSS property to change the background color of an element to XYZ 19.8988, 28.6423, 17.0501 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 160, 102) }
```

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

```
.background{ background-color: rgb(97, 160,  
102) }
```

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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