Converting Colors

XYZ(23.7679, 25.6712, 4.1955)

Have a look what the booklet for XYZ(23.7679, 25.6712, 4.1955) contains.

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Color

XYZ(23.8799, 25.7914, 4.2098)

Conversions

Conversions Part 1

Format	Color
Hex	A18A10
RGB	161, 138, 16
RGB Percent	63%, 54%, 6%
CMY	0.3686, 0.4588, 0.9372
CMYK	0.00, 0.14, 0.90, 0.37
HSL	50°, 82%, 35%
HSV	50°, 90%, 63%
XYZ	23.8799, 25.7914, 4.2098
YIQ	130.9690, 52.8700, -33.0660

Conversions

Conversions Part 2

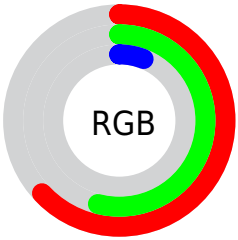
Format	Color
RYB	43, 161, 16
Decimal	10586640
CIELab	57.84, -2.77, 59.68
CIELCh	58, 59.743, 92.656
Yxy	25.7914, 0.4432, 0.4787
Android (android.graphics.Color)	4288776720 (0xFFA18A10)
YUV	130.9690, -56.6797, 26.3372
Hunter-Lab	50.7852, -4.9411, 30.6349

Details

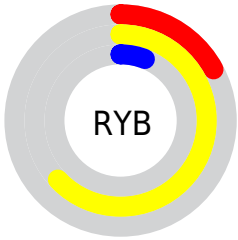
The XYZ color 23.8799, 25.7914, 4.2098 is a dark color, and the websafe version is hex 999900. A complement of this color would be 7.3723, 4.1345, 34.1274, and the grayscale version is 21.7460, 22.8785, 24.9147.

A 20% lighter version of the original color is 49.1487, 52.8435, 14.4469, and 9.3981, 10.1480, 1.4634 is the 20% darker color. If you saturate the color by 10%, you get 23.4269, 25.0352, 3.5976, and if you desaturate by 10%, it is 24.4197, 26.6014, 5.2216.

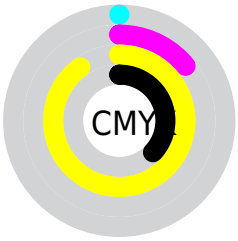
Distribution



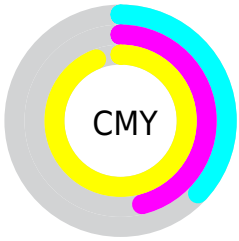
- Red (63%)
- Green (54%)
- Blue (6%)



- Red (17%)
- Yellow (63%)
- Blue (6%)



- Cyan (0%)
- Magenta (14%)
- Yellow (90%)
- Black (37%)



- Cyan (37%)
- Magenta (46%)
- Yellow (94%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8799, 25.7914, 4.2098 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 23.8799, 25.7914, 4.2098 by changing the saturation by 10% instead.

23.8799, 25.7914, 4.2098

23.8799, 25.7914, 4.2098

264.6645, 281.7566, 150.5295

15.3688, 16.6677, 1.7411

49.2902, 52.9382, 14.4908

9.1666, 9.9978, 0.3887

66.9202, 71.7301, 23.1402

4.9080, 5.3975, 0.0000

88.3205, 94.5135, 34.6870

2.2276, 2.4823, 0.0000

113.8565, 121.6727, 49.5496

0.7572, 0.8678, 0.0000

143.8935, 153.5923, 68.1466

0.0000, 0.0000, 0.0000

178.7970,

190.6565, 90.8966

218.9322, 233.2498, 118.2180

23.8799, 25.7914, 4.2098

23.4269, 25.0352, 3.5976

23.8799, 25.7914, 4.2098

24.4197, 26.6014, 5.2216

25.0747, 27.4704, 6.7994

25.8592, 28.4051, 9.0161

26.7849, 29.4104, 11.9334

27.8623, 30.4905, 15.6057

29.1007, 31.6492, 20.0819

30.5087, 32.8901, 25.4070

32.0942, 34.2164, 31.6226

33.8647, 35.6312, 38.7674

Harmonies

Analogous

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

31.4175, 25.7914, 5.5691

23.8799, 25.7914, 4.2098

17.7941, 25.7914, 6.2155

Triad

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

23.8799, 25.7914, 4.2098

14.6314, 25.7914, 55.2734

38.9344, 25.7914, 50.4387

Complementary

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

23.8799, 25.7914, 4.2098

7.3723, 4.1345, 34.1274

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.

32.7428, 25.7914, 76.2524

23.8799, 25.7914, 4.2098

18.7039, 25.7914, 79.8735

Square

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

23.8799, 25.7914, 4.2098

13.1482, 25.7914, 29.9543

25.1591, 25.7914, 88.9824

41.0513, 25.7914, 26.2902

Rectangle

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

23.8799, 25.7914, 4.2098

15.0954, 25.7914, 10.2791

25.1591, 25.7914, 88.9824

37.2081, 25.7914, 59.5400

Sweetspot

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

23.8805, 25.7926, 4.2103

52.7313, 57.2344, 38.2507

15.2691, 8.1021, 2.7820

11.3983, 12.4022, 7.7702

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.

23.8805, 25.7926, 4.2103

41.8360, 44.5963, 6.4030

19.6058, 29.0157, 5.0577

7.5533, 8.0451, 7.5348

18.7351, 20.0441, 2.8814

0.4178, 0.4693, 0.0686

Inverse Universe

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

7.3723, 4.1345, 34.1274

12.0694, 5.7051, 60.8516

8.7547, 4.0453, 34.0373

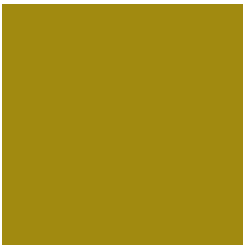
6.7870, 7.0330, 8.9029

5.4453, 2.6700, 27.1581

0.1387, 0.1046, 0.5787

Previews

White Background

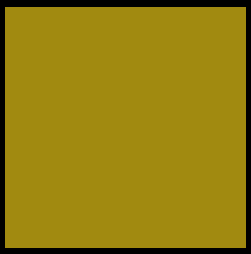


This preview shows how the XYZ color 23.8799, 25.7914, 4.2098 looks on a white background.

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



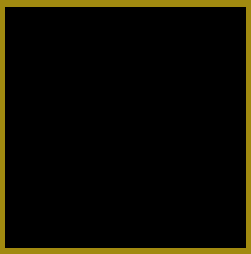
This preview shows how the XYZ color 23.8799, 25.7914, 4.2098 looks on a black background.

Color Contrast Check

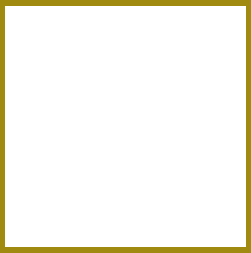
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 23.8799, 25.7914, 4.2098 Background



This preview shows how black text looks on a background with the XYZ color 23.8799, 25.7914, 4.2098.



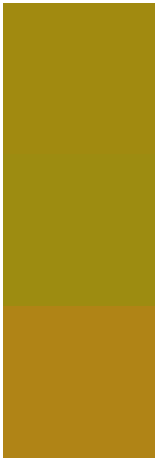
This preview shows how white text looks on a background with the XYZ color 23.8799, 25.7914,

4.2098.

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
23.8799, 25.7914, 4.2098

Protanopia
23.3839, 25.9647, 4.3095

Deuteranopia
26.3006, 25.7906, 4.3509

Tritanopia
28.6688, 25.7083, 27.4960

Trichromacy

Original Color
23.8799, 25.7914, 4.2098

Protanomaly
23.4343, 25.7748, 4.2702

Deuteranomaly
25.4460, 25.7586, 4.2926

Tritanomaly
25.9975, 25.4177, 14.1256

Monochromacy

Original Color
23.8799, 25.7914, 4.2098

Achromatopsia
21.5731, 22.6966, 24.7166

Achromatomaly
21.4836, 23.5222, 12.8591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8799, 25.7914, 4.2098 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(161, 138, 16) looks like.

```
.text, #text, p{
    color:rgb(161, 138, 16)
}
```

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(161, 138, 16) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 138, 16) }
```

Border

The CSS property to change the border of an element to XYZ 23.8799, 25.7914, 4.2098 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(161, 138, 16) }
```

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

```
.border{ border-color:rgb(161, 138, 16) }
```

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

Here you see how a box with a 4 pixel rgb(161, 138, 16) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(161, 138, 16); -webkit-box-shadow:4px 4px 4px 4px rgb(161, 138, 16); box-shadow:4px 4px 4px 4px rgb(161, 138, 16) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8799, 25.7914, 4.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(161, 138, 16) }
```

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

```
.background{ background-color:rgb(161,
138, 16) }
```

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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