

Converting Colors

XYZ(24.9697, 29.0138, 22.8638)

Have a look what the booklet for
XYZ(24.9697, 29.0138, 22.8638)
contains.

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Color

**XYZ(25.1199, 29.2049,
23.0520)**

Conversions

Conversions Part 1

Format	Color
Hex	89987B
RGB	137, 152, 123
RGB Percent	54%, 60%, 48%
CMY	0.4627, 0.4039, 0.5176
CMYK	0.10, 0.00, 0.19, 0.40
HSL	91°, 12%, 54%
HSV	91°, 19%, 60%
XYZ	25.1199, 29.2049, 23.0520
YIQ	144.2090, 0.3690, -12.1990

Conversions

Conversions Part 2

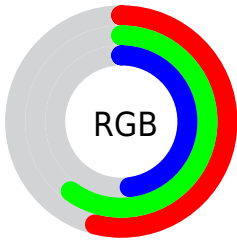
Format	Color
R_{YB}	123, 152, 138
Decimal	9017467
CIE _{Lab}	60.96, -10.86, 13.49
CIE _{LCh}	61, 17.321, 128.837
Yxy	29.2049, 0.3246, 0.3774
Android (android.graphics.Color)	4287207547 (0xFF89987B)
YUV	144.2090, -10.4560, -6.3223
Hunter-Lab	54.0416, -11.6014, 12.5383

Details

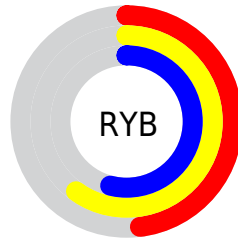
The XYZ color **25.1199, 29.2049, 23.0520** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **23.2328, 21.8370, 32.6978**, and the grayscale version is **26.6349, 28.0220, 30.5159**.

A 20% lighter version of the original color is **51.3936, 58.3536, 49.6289**, and **9.8202, 11.8280, 8.2440** is the 20% darker color. If you saturate the color by 10%, you get **22.9992, 28.2140, 18.3655**, and if you desaturate by 10%, it is **27.4839, 30.3059, 28.5224**.

Distribution



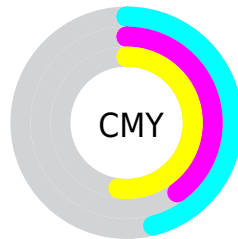
- Red (54%)
- Green (60%)
- Blue (48%)



- Red (48%)
- Yellow (60%)
- Blue (54%)



- Cyan (10%)
- Magenta (0%)
- Yellow (19%)
- Black (40%)



- Cyan (46%)
- Magenta (40%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 25.1199, 29.2049, 23.0520 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 25.1199, 29.2049, 23.0520 by changing the saturation by 10% instead.

■ 25.1199, 29.2049,
23.0520

■ 25.1199, 29.2049,
23.0520

270.7712,
298.1805, 281.1225

■ 16.2956, 19.2359,
14.4262

■ 51.2932, 58.4025,
49.4030

■ 9.8258, 11.8408,
8.2756

■ 69.3728, 78.3998,
67.9653

■ 5.3450, 6.6354,
4.1815

■ 91.2684, 102.5087,
90.6768

■ 2.4879, 3.2351,
1.7254

117.3451,
131.1136, 117.9562

■ 0.8891, 1.2557,
0.3781

147.9684,
164.5988, 150.2219

■ 0.0000, 0.1065,
0.0000

183.5036,

■ 0.0000, 0.0000,

203.3488, 187.8925

0.0000

224.3161,
247.7479, 231.3865

■ 25.1199, 29.2049,
23.0520

■ 25.1199, 29.2049,
23.0520

■ 22.9992, 28.2140,
18.3655

■ 27.4839, 30.3059,
28.5224

■ 21.1106, 27.3257,
14.4251

■ 30.0973, 31.5166,
34.8084

■ 19.4456, 26.5372,
11.1928

■ 32.9685, 32.8419,
41.9421

■ 17.9941, 25.8442,
8.6263

■ 36.1050, 34.2848,
49.9537

■ 16.7449, 25.2420,
6.6789

■ 39.5142, 35.8484,
58.8715

■ 15.6859, 24.7256,
5.2980

■ 43.2027, 37.5357,
68.7227

■ 14.8029, 24.2888,
4.4220

■ 47.1773, 39.3495,
79.5334

■ 14.0678, 23.9203,
3.9158

■ 51.4443, 41.2925,
91.3285

■ 14.0047, 23.8887,
3.8729

■ 55.2265, 43.0542,
100.0073

Harmonies

Analogous

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



27.0957, 29.2049, 21.0130



25.1199, 29.2049, 23.0520



23.8977, 29.2049, 27.5119

Triad

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



25.1199, 29.2049, 23.0520



26.2180, 29.2049, 44.8833



32.2805, 29.2049, 29.9242

Complementary

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



25.1199, 29.2049, 23.0520



23.2328, 21.8370, 32.6978

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.



32.0140, 29.2049, 36.5102



25.1199, 29.2049, 23.0520



28.4317, 29.2049, 45.7598

Square

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



25.1199, 29.2049, 23.0520



24.5073, 29.2049, 40.2652



30.5754, 29.2049, 42.5189



31.2850, 29.2049, 24.6117

Rectangle

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



25.1199, 29.2049, 23.0520



23.6341, 29.2049, 31.5471



30.5754, 29.2049, 42.5189



32.3366, 29.2049, 32.0526

Sweetspot

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



25.1207, 29.2062, 23.0526



49.8296, 54.1026, 53.4773



25.6112, 26.2787, 22.4617



11.2658, 12.2691, 12.0119



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.



25.1207, 29.2062, 23.0526



42.6513, 50.7614, 36.9089



23.0029, 28.1109, 23.1119



6.4017, 7.0645, 6.6320



11.7775, 20.0474, 3.2488



0.2178, 0.3212, 0.0505

Inverse Universe

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



23.2328, 21.8370, 32.6978



38.6795, 35.2579, 57.2005



25.6610, 23.0933, 32.6052



6.1739, 6.1756, 7.7956



7.4659, 3.2999, 25.1511



0.1536, 0.0710, 0.3780

Previews

White Background



This preview shows how the XYZ color 25.1199, 29.2049, 23.0520 looks on a white background.

Color Contrast Check

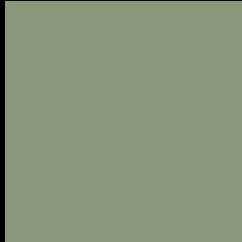
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.1199, 29.2049, 23.0520 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 25.1199, 29.2049, 23.0520

Background



This preview shows how black text looks on a background with the XYZ color 25.1199, 29.2049, 23.0520.



This preview shows how white text looks on a background with the XYZ color 25.1199, 29.2049,

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

25.1199, 29.2049, 23.0520

Protanopia

27.3415, 29.1921, 21.9629

Deuteranopia

29.5887, 28.9654, 23.4334



Tritanopia

27.8471, 29.1214, 36.9542

Trichromacy



Original Color

25.1199, 29.2049, 23.0520

Protanomaly

26.4114, 29.1713, 22.3277

Deuteranomaly

27.6681, 28.8741, 23.1838

Tritanomaly

26.7510, 29.1457, 31.4099

Monochromacy



Original Color

25.1199, 29.2049, 23.0520

Achromatopsia

26.5089, 27.8894, 30.3716

Achromatomaly

25.8622, 28.3077, 27.3934

CSS Examples

Text

The CSS property to change the color of the text to XYZ 25.1199, 29.2049, 23.0520 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(137, 152, 123)` looks like.

```
.text, #text, p{  
    color:rgb(137, 152, 123)  
}
```

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(137, 152, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 152, 123) }
```

Border

The CSS property to change the border of an element to XYZ 25.1199, 29.2049, 23.0520 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(137, 152, 123) }
```


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

```
.border{ border-color:rgb(137, 152, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 152, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 152, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 152, 123);  
box-shadow:4px 4px 4px 4px rgb(137, 152,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 25.1199, 29.2049, 23.0520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 152, 123) }
```

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

```
.background{ background-color: rgb(137,  
152, 123) }
```

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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