

Converting Colors

XYZ(27.6566, 19.3211, 43.6973)

Have a look what the booklet for
XYZ(27.6566, 19.3211, 43.6973)
contains.

XYZ(27.6644, 19.2867, 43.8596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.6644, 19.2867,
43.8596)**

Conversions

Conversions Part 1

Format	Color
Hex	A65EB1
RGB	166, 94, 177
RGB Percent	65%, 37%, 69%
CMY	0.3490, 0.6314, 0.3059
CMYK	0.06, 0.47, 0.00, 0.31
HSL	292°, 35%, 53%
HSV	292°, 47%, 69%
XYZ	27.6644, 19.2867, 43.8596
YIQ	124.9900, 16.2690, 41.0770

Conversions

Conversions Part 2

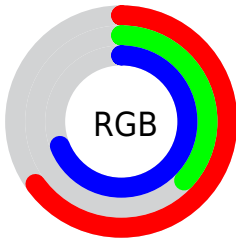
Format	Color
R_{YB}	166, 94, 177
Decimal	10903217
CIE _{Lab}	51.02, 42.47, -32.15
CIE _{LCh}	51, 53.272, 322.875
Yxy	19.2867, 0.3046, 0.2124
Android (android.graphics.Color)	4289093297 (0xFFA65EB1)
YUV	124.9900, 25.6409, 35.9658
Hunter-Lab	43.9166, 35.5884, -28.4714

Details

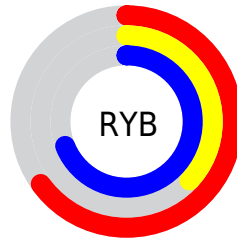
The XYZ color **27.6644, 19.2867, 43.8596** is a dark color, and the websafe version is hex **9966CC**. A complement of this color would be **23.5688, 35.2561, 16.1534**, and the grayscale version is **19.4029, 20.4133, 22.2301**.

A 20% lighter version of the original color is **55.5731, 42.4386, 82.3532**, and **11.1841, 6.6277, 19.7586** is the 20% darker color. If you saturate the color by 10%, you get **25.7802, 16.2411, 43.3713**, and if you desaturate by 10%, it is **29.9198, 23.0604, 44.4694**.

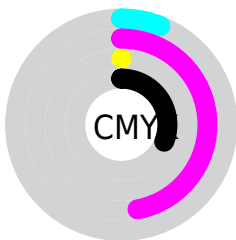
Distribution



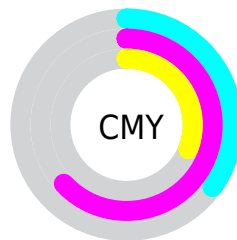
- Red (65%)
- Green (37%)
- Blue (69%)



- Red (65%)
- Yellow (37%)
- Blue (69%)



- Cyan (6%)
- Magenta (47%)
- Yellow (0%)
- Black (31%)



- Cyan (35%)
- Magenta (63%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.6644, 19.2867, 43.8596 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 27.6644, 19.2867, 43.8596 by changing the saturation by 10% instead.

■ 27.6644, 19.2867,
43.8596

■ 27.6644, 19.2867,
43.8596

282.9691,
248.0270, 378.1596

■ 18.2120, 11.8776,
30.2238

■ 55.3606, 42.2180,
82.3067

■ 11.2029, 6.6604,
19.7550

■ 74.3351, 58.5090,
107.9550

■ 6.2718, 3.2506,
12.0348

■ 97.2143, 78.5294,
138.4445

■ 3.0533, 1.2639,
6.6445

■ 124.3637,
102.6637, 174.1938

■ 1.1820, 0.1130,
3.1658

156.1484,
131.2962, 215.6214

■ 0.0921, 0.0000,
1.1799

192.9340,

■ 0.0000, 0.0000,

164.8113, 263.1459

0.0000

235.0858,
203.5934, 317.1858

■ 27.6644, 19.2867,
43.8596

■ 27.6644, 19.2867,
43.8596

■ 25.7802, 16.2411,
43.3713

■ 29.9198, 23.0604,
44.4694

■ 24.2400, 13.8710,
42.9950

■ 32.5671, 27.6049,
45.2071

■ 23.0165, 12.1208,
42.7217

■ 35.6278, 32.9627,
46.0799

■ 22.0767, 10.9251,
42.5404

■ 39.1212, 39.1724,
47.0944

■ 21.3741, 10.1907,
42.4357

■ 43.0654, 46.2700,
48.2565

■ 21.1756, 9.9997,
42.4093

■ 47.4774, 54.2898,
49.5719

■ 52.3734, 63.2638,
51.0460

■ 57.7688, 73.2228,
52.6839

■ 63.6783, 84.1960,
54.4905

Harmonies

Analogous

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



22.5629, 19.2867, 60.7355



27.6644, 19.2867, 43.8596



30.3480, 19.2867, 24.8124

Triad

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



27.6644, 19.2867, 43.8596



19.6183, 19.2867, 3.3537



10.4853, 19.2867, 34.4339

Complementary

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



27.6644, 19.2867, 43.8596



23.5688, 35.2561, 16.1534

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.



9.9975, 19.2867, 17.5995



27.6644, 19.2867, 43.8596



14.6651, 19.2867, 3.9973

Square

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



27.6644, 19.2867, 43.8596



25.1588, 19.2867, 5.3118



11.3762, 19.2867, 7.8955



12.8666, 19.2867, 53.7122

Rectangle

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



27.6644, 19.2867, 43.8596



30.1015, 19.2867, 15.1703



11.3762, 19.2867, 7.8955



10.1159, 19.2867, 28.1591

Sweetspot

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



27.6651, 19.2875, 43.8600



65.3900, 61.8323, 82.9837



17.6110, 15.6716, 43.6920



13.8973, 12.9158, 17.9049



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



27.6651, 19.2875, 43.8600



46.1510, 29.0553, 77.6711



27.3672, 19.4463, 29.7376



8.7371, 8.5885, 10.7036



15.3791, 7.2640, 30.7285



0.5145, 0.2443, 0.9683

Inverse Universe

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



24.6845, 18.3732, 15.6107



40.3953, 27.3522, 20.2937



24.0044, 35.2907, 24.7602



8.5407, 8.5230, 9.0797



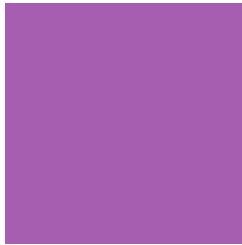
13.2656, 6.8238, 1.2927



0.4319, 0.2205, 0.1168

Previews

White Background



This preview shows how the XYZ color 27.6644, 19.2867, 43.8596 looks on a white background.

Color Contrast Check

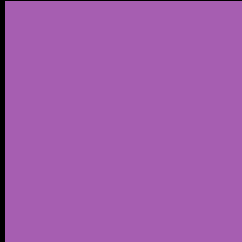
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.6644, 19.2867, 43.8596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

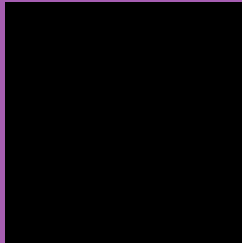
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 27.6644, 19.2867, 43.8596

Background



This preview shows how black text looks on a background with the XYZ color 27.6644, 19.2867, 43.8596.



This preview shows how white text looks on a background with the XYZ color 27.6644, 19.2867,

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

27.6644, 19.2867, 43.8596

Protanopia

21.2200, 19.5413, 56.6863

Deuteranopia

19.9927, 19.5964, 41.7585



Tritanopia

22.6155, 19.2552, 19.0477

Trichromacy



Original Color

27.6644, 19.2867, 43.8596

Protanomaly

22.4511, 18.7650, 51.7289

Deuteranomaly

22.0768, 18.9369, 42.5360

Tritanomaly

24.1356, 19.1125, 26.4618

Monochromacy



Original Color

27.6644, 19.2867, 43.8596

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

21.8666, 19.6237, 29.0208

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.6644, 19.2867, 43.8596 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(166, 94, 177)` looks like.

```
.text, #text, p{  
    color:rgb(166, 94, 177)  
}
```

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(166, 94, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 94, 177) }
```

Border

The CSS property to change the border of an element to XYZ 27.6644, 19.2867, 43.8596 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(166, 94, 177) }
```


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

```
.border{ border-color:rgb(166, 94, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 94, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 94, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 94, 177);  
box-shadow:4px 4px 4px 4px rgb(166, 94,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 27.6644, 19.2867, 43.8596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 94, 177) }
```

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

```
.background{ background-color: rgb(166, 94,  
177) }
```

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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