

Converting Colors

XYZ(27.2903, 33.5328, 6.4467)

Have a look what the booklet for
XYZ(27.2903, 33.5328, 6.4467)
contains.

XYZ(27.2763, 33.4723, 6.4620)	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(27.2763, 33.4723,
6.4620)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA321
RGB	157, 163, 33
RGB Percent	62%, 64%, 13%
CMY	0.3843, 0.3608, 0.8706
CMYK	0.04, 0.00, 0.80, 0.36
HSL	63°, 66%, 38%
HSV	63°, 80%, 64%
XYZ	27.2763, 33.4723, 6.4620
YIQ	146.3860, 38.1540, -41.7020

Conversions

Conversions Part 2

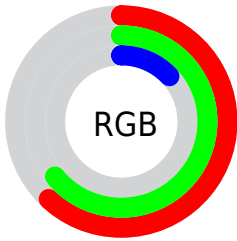
Format	Color
RYB	33, 163, 39
Decimal	10330913
CIELab	64.54, -17.36, 60.85
CIELCh	65, 63.280, 105.923
Yxy	33.4723, 0.4058, 0.4980
Android (android.graphics.Color)	4288520993 (0xFF9DA321)
YUV	146.3860, -55.8993, 9.3085
Hunter-Lab	57.8553, -17.0915, 33.8764

Details

The XYZ color **27.2763, 33.4723, 6.4620** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **7.9924, 4.1641, 35.0350**, and the grayscale version is **27.6927, 29.1349, 31.7279**.

A 20% lighter version of the original color is **54.9412, 65.3281, 19.3867**, and **11.2737, 14.4131, 2.1878** is the 20% darker color. If you saturate the color by 10%, you get **26.9549, 33.3281, 5.5306**, and if you desaturate by 10%, it is **27.7107, 33.6643, 7.9771**.

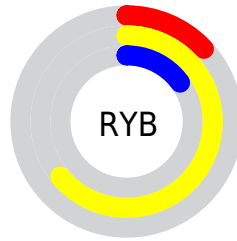
Distribution



Red (62%)

Green (64%)

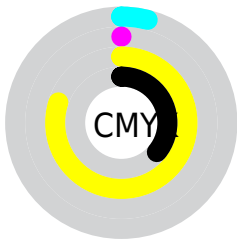
Blue (13%)



Red (13%)

Yellow (64%)

Blue (15%)

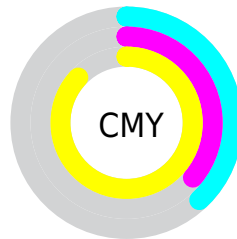


Cyan (4%)

Magenta (0%)

Yellow (80%)

Black (36%)



Cyan (38%)

Magenta (36%)

Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.2763, 33.4723, 6.4620 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 27.2763, 33.4723, 6.4620 by changing the saturation by 10% instead.

■ 27.2763, 33.4723,
6.4620

■ 27.2763, 33.4723,
6.4620

281.1357,
317.7726, 172.5730

■ 17.9185, 22.4885,
3.0547

■ 54.7437, 65.1122,
19.3765

■ 10.9908, 14.2163,
1.1226

■ 73.5840, 86.5371,
29.7208

■ 6.1279, 8.2712,
0.0000

■ 96.3158, 112.2112,
43.2145

■ 2.9644, 4.2690,
0.0000

■ 123.3046,
142.5188, 60.2761

■ 1.1350, 1.8251,
0.0000

■ 154.9156,
177.8443, 81.3243

■ 0.0541, 0.5028,
0.0000

■ 191.5142,

■ 0.0000, 0.0000,

218.5722, 106.7774

0.0000

233.4658,
265.0868, 137.0542

■ 27.2763, 33.4723,
6.4620

■ 27.2763, 33.4723,
6.4620

■ 26.9549, 33.3281,
5.5306

■ 27.7107, 33.6643,
7.9771

■ 26.7126, 33.2143,
5.0147

■ 28.2699, 33.9052,
10.1480

■ 26.7068, 33.2116,
5.0029

■ 28.9668, 34.2011,
13.0388

■ 29.8119, 34.5565,
16.7055

■ 30.8147, 34.9751,
21.1983

■ 31.9841, 35.4604,
26.5634

■ 33.3282, 36.0157,
32.8436

■ 34.8546, 36.6440,
40.0788

■ 36.5703, 37.3482,
48.3065

Harmonies

Analogous

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



36.2363, 33.4723, 6.3318



27.2763, 33.4723, 6.4620



20.8814, 33.4723, 11.6124

Triad

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



27.2763, 33.4723, 6.4620



21.1821, 33.4723, 85.2363



51.8485, 33.4723, 49.9571

Complementary

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



27.2763, 33.4723, 6.4620



7.9924, 4.1641, 35.0350

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.



46.0207, 33.4723, 83.2522



27.2763, 33.4723, 6.4620



27.7678, 33.4723, 109.2824

Square

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



27.2763, 33.4723, 6.4620



17.8458, 33.4723, 51.8947



36.8299, 33.4723, 108.4209



51.6479, 33.4723, 24.4143

Rectangle

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



27.2763, 33.4723, 6.4620



18.4275, 33.4723, 19.6638



36.8299, 33.4723, 108.4209



50.4880, 33.4723, 60.7852

Sweetspot

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



27.2771, 33.4739, 6.4627



56.2567, 63.0798, 42.8613



16.0519, 9.2412, 2.3769



12.4782, 14.1023, 8.9093



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



27.2771, 33.4739, 6.4627



47.9311, 59.5241, 9.2062



17.9551, 28.6682, 6.0264



7.6169, 8.2205, 7.5654



20.7657, 25.8156, 3.8884



0.4455, 0.5472, 0.0821

Inverse Universe

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



7.9924, 4.1641, 35.0350



12.1781, 5.0468, 62.3884



12.6732, 6.5771, 35.2540



6.7293, 6.8748, 8.8754



5.2219, 2.0985, 27.0596



0.1183, 0.0485, 0.5690

Previews

White Background



This preview shows how the XYZ color 27.2763, 33.4723, 6.4620 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 27.2763, 33.4723, 6.4620 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 ✓ Pass

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

XYZ 27.2763, 33.4723, 6.4620

Background



This preview shows how black text looks on a background with the XYZ color 27.2763, 33.4723, 6.4620.



This preview shows how white text looks on a background with the XYZ color 27.2763, 33.4723,

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

27.2763, 33.4723, 6.4620

Protanopia

30.2088, 33.4430, 6.1593

Deuteranopia

34.0161, 33.2102, 6.7152



Tritanopia

34.0775, 33.4616, 39.7846

Trichromacy



Original Color

27.2763, 33.4723, 6.4620

Protanomaly

29.0210, 33.3356, 6.2713

Deuteranomaly

31.0325, 32.8675, 6.5422

Tritanomaly

30.3507, 32.9304, 21.2795

Monochromacy



Original Color

27.2763, 33.4723, 6.4620

Achromatopsia

27.3213, 28.7441, 31.3023

Achromatomaly

26.3557, 29.9604, 17.7584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.2763, 33.4723, 6.4620 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(157, 163, 33)` looks like.

```
.text, #text, p{  
    color:rgb(157, 163, 33)  
}
```

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(157, 163, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 163, 33) }
```

Border

The CSS property to change the border of an element to XYZ 27.2763, 33.4723, 6.4620 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(157, 163, 33) }
```


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

```
.border{ border-color:rgb(157, 163, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 163, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 163, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 163, 33);  
box-shadow:4px 4px 4px 4px rgb(157, 163,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 27.2763, 33.4723, 6.4620 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 163, 33) }
```

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

```
.background{ background-color: rgb(157,  
163, 33) }
```

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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