

Converting Colors

XYZ(29.7677, 31.4825, 39.6230)

Have a look what the booklet for
XYZ(29.7677, 31.4825, 39.6230)
contains.

XYZ(29.7691, 31.4825, 39.6297)	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(29.7691, 31.4825,
39.6297)**

Conversions

Conversions Part 1

Format	Color
Hex	9199A4
RGB	145, 153, 164
RGB Percent	57%, 60%, 64%
CMY	0.4314, 0.4000, 0.3569
CMYK	0.12, 0.07, 0.00, 0.36
HSL	215°, 9%, 61%
HSV	215°, 12%, 64%
XYZ	29.7691, 31.4825, 39.6297
YIQ	151.8620, -8.2990, 1.7250

Conversions

Conversions Part 2

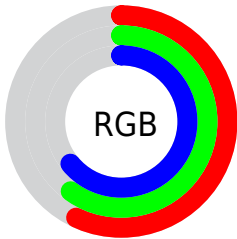
Format	Color
RYB	145, 151, 164
Decimal	9542052
CIELab	62.91, -0.58, -6.74
CIELCh	63, 6.765, 265.041
Yxy	31.4825, 0.2951, 0.3121
Android (android.graphics.Color)	4287732132 (0xFF9199A4)
YUV	151.8620, 5.9840, -6.0180
Hunter-Lab	56.1093, -3.4870, -2.5997

Details

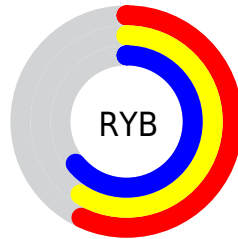
The XYZ color **29.7691, 31.4825, 39.6297** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3093, 33.7136, 31.5931**, and the grayscale version is **29.7638, 31.3139, 34.1008**.

A 20% lighter version of the original color is **58.6522, 61.8822, 75.8710**, and **12.2921, 13.0523, 17.2007** is the 20% darker color. If you saturate the color by 10%, you get **25.5930, 27.1149, 39.0073**, and if you desaturate by 10%, it is **34.4879, 36.3151, 40.3143**.

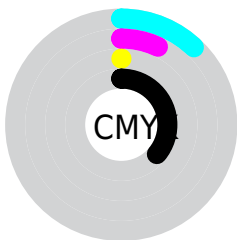
Distribution



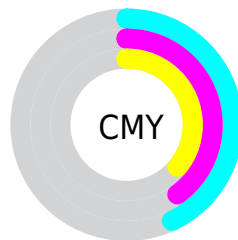
- Red (57%)
- Green (60%)
- Blue (64%)



- Red (57%)
- Yellow (59%)
- Blue (64%)



- Cyan (12%)
- Magenta (7%)
- Yellow (0%)
- Black (36%)



- Cyan (43%)
- Magenta (40%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7691, 31.4825, 39.6297 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 29.7691, 31.4825, 39.6297 by changing the saturation by 10% instead.

■ 29.7691, 31.4825,
39.6297

■ 29.7691, 31.4825,
39.6297

292.7559,
308.7551, 360.0659

■ 19.8106, 20.9665,
26.9384

■ 58.6860, 61.9989,
75.8302

■ 12.3649, 13.0995,
17.2949

■ 78.3750, 82.7682,
100.1765

■ 7.0667, 7.4971,
10.2808

102.0384,
107.7240, 129.2448

■ 3.5505, 3.7749,
5.4775

130.0413,
137.2507, 163.4536

■ 1.4511, 1.5485,
2.4665

162.7491,
171.7328, 203.2217

■ 0.2922, 0.3225,
0.8223

200.5272,

■ 0.0000, 0.0000,

211.5546, 248.9674

0.0000

243.7411,
257.1006, 301.1093

■ 29.7691, 31.4825,
39.6297

■ 29.7691, 31.4825,
39.6297

■ 25.5930, 27.1149,
39.0073

■ 34.4879, 36.3151,
40.3143

■ 21.9362, 23.1933,
38.4431

■ 39.7660, 41.6229,
41.0606

■ 18.7775, 19.7035,
37.9359

■ 45.6230, 47.4207,
41.8710

■ 16.0932, 16.6285,
37.4839

■ 52.0764, 53.7213,
42.7470

■ 13.8575, 13.9504,
37.0848

■ 59.1430, 60.5374,
43.6902

■ 12.0419, 11.6493,
36.7363

■ 66.8390, 67.8807,
44.7020

■ 10.6143, 9.7036,
36.4360

■ 73.3911, 74.8407,
45.7000

■ 9.5370, 8.0882,
36.1810

■ 75.9456, 79.9498,
46.5515

■ 8.8334, 6.9454,
35.9975

■ 78.6438, 85.3461,
47.4509

Harmonies

Analogous

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



28.9118, 31.4825, 38.6428



29.7691, 31.4825, 39.6297



30.6852, 31.4825, 39.1235

Triad

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



29.7691, 31.4825, 39.6297



31.5701, 31.4825, 32.1601



28.4837, 31.4825, 31.4319

Complementary

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



29.7691, 31.4825, 39.6297



32.3093, 33.7136, 31.5931

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.



29.1738, 31.4825, 29.8520



29.7691, 31.4825, 39.6297



30.9579, 31.4825, 30.2569

Square

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



29.7691, 31.4825, 39.6297



31.7374, 31.4825, 34.7230



30.0778, 31.4825, 29.4332



28.1795, 31.4825, 33.8390

Rectangle

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



29.7691, 31.4825, 39.6297



31.2044, 31.4825, 38.0205



30.0778, 31.4825, 29.4332



28.6775, 31.4825, 30.7915

Sweetspot

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



29.7700, 31.4838, 39.6304



61.2775, 64.5732, 72.9865



30.9341, 34.9636, 36.4678



13.2445, 13.9623, 15.9345



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.



29.7700, 31.4838, 39.6304



51.9115, 54.9425, 71.6213



28.7283, 29.0672, 39.2188



6.9342, 7.3274, 8.9519



6.8182, 5.4158, 27.6158



0.1896, 0.2064, 0.5957

Inverse Universe

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



31.1857, 30.4439, 34.3710



55.0345, 52.7194, 60.0036



33.4365, 36.3542, 32.0434



7.1917, 7.1332, 7.9962



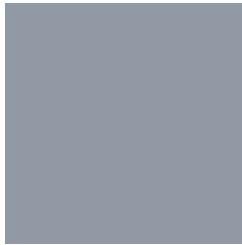
12.5870, 6.3908, 5.0156



0.2878, 0.1436, 0.2284

Previews

White Background



This preview shows how the XYZ color 29.7691, 31.4825, 39.6297 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 29.7691, 31.4825, 39.6297 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

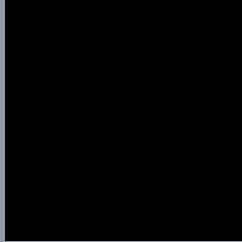
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.7691, 31.4825, 39.6297

Background



This preview shows how black text looks on a background with the XYZ color 29.7691, 31.4825, 39.6297.



This preview shows how white text looks on a background with the XYZ color 29.7691, 31.4825,

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

29.7691, 31.4825, 39.6297

Protanopia

30.6264, 31.4530, 39.1072

Deuteranopia

32.0794, 31.4735, 39.9815



Tritanopia

29.8598, 31.5188, 40.1073

Trichromacy



Original Color

29.7691, 31.4825, 39.6297

Protanomaly

30.2335, 31.4904, 39.1351

Deuteranomaly

31.2154, 31.4979, 40.0318

Tritanomaly

29.8598, 31.5188, 40.1073

Monochromacy



Original Color

29.7691, 31.4825, 39.6297

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.6234, 31.2463, 35.9223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7691, 31.4825, 39.6297 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(145, 153, 164)` looks like.

```
.text, #text, p{  
    color:rgb(145, 153, 164)  
}
```

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(145, 153, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 153, 164) }
```

Border

The CSS property to change the border of an element to XYZ 29.7691, 31.4825, 39.6297 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(145, 153, 164) }
```


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

```
.border{ border-color:rgb(145, 153, 164) }
```

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

Here you see how a box with a 4 pixel rgb(145, 153, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 153, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 153, 164);  
box-shadow:4px 4px 4px 4px rgb(145, 153,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7691, 31.4825, 39.6297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 153, 164) }
```

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

```
.background{ background-color: rgb(145,  
153, 164) }
```

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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