

Converting Colors

XYZ(29.9857, 32.1879, 37.7643)

Have a look what the booklet for
XYZ(29.9857, 32.1879, 37.7643)
contains.

XYZ(29.9206, 32.0917, 37.8750)	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(29.9206, 32.0917,
37.8750)**

Conversions

Conversions Part 1

Format	Color
Hex	929BA0
RGB	146, 155, 160
RGB Percent	57%, 61%, 63%
CMY	0.4274, 0.3921, 0.3725
CMYK	0.09, 0.03, 0.00, 0.37
HSL	201°, 7%, 60%
HSV	201°, 9%, 63%
XYZ	29.9206, 32.0917, 37.8750
YIQ	152.8790, -6.9690, -0.3530

Conversions

Conversions Part 2

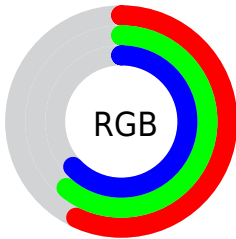
Format	Color
RYB	146, 151, 160
Decimal	9608096
CIELab	63.42, -2.19, -3.73
CIELCh	63, 4.324, 239.573
Yxy	32.0917, 0.2995, 0.3213
Android (android.graphics.Color)	4287798176 (0xFF929BA0)
YUV	152.8790, 3.5107, -6.0329
Hunter-Lab	56.6495, -4.8583, 0.0143

Details

The XYZ color **29.9206, 32.0917, 37.8750** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7524, 31.6821, 31.6893**, and the grayscale version is **30.2138, 31.7873, 34.6163**.

A 20% lighter version of the original color is **58.8856, 62.7866, 73.3054**, and **12.4299, 13.4377, 16.4066** is the 20% darker color. If you saturate the color by 10%, you get **26.3450, 28.8713, 37.4423**, and if you desaturate by 10%, it is **33.9411, 35.6100, 38.3427**.

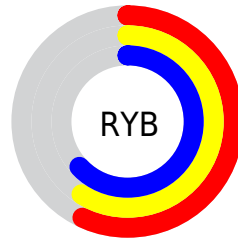
Distribution



Red (57%)

Green (61%)

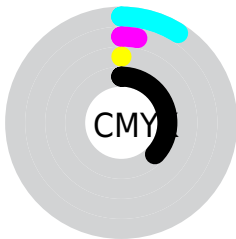
Blue (63%)



Red (57%)

Yellow (59%)

Blue (63%)

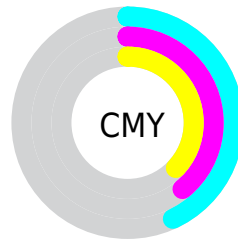


Cyan (9%)

Magenta (3%)

Yellow (0%)

Black (37%)



Cyan (43%)

Magenta (39%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9206, 32.0917, 37.8750 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 29.9206, 32.0917, 37.8750 by changing the saturation by 10% instead.

■ 29.9206, 32.0917,
37.8750

■ 29.9206, 32.0917,
37.8750

293.4506,
311.5368, 352.3655

■ 19.9261, 21.4316,
25.5846

■ 58.9241, 62.9548,
73.1178

■ 12.4493, 13.4398,
16.2902

■ 78.6638, 83.9266,
96.9073

■ 7.1248, 7.7321,
9.5731

102.3826,
109.1043, 125.3669

■ 3.5873, 3.9240,
5.0150

130.4458,
138.8725, 158.9152

■ 1.4714, 1.6311,
2.1972

163.2189,
173.6154, 197.9706

■ 0.3063, 0.3785,
0.6727

201.0672,

■ 0.0000, 0.0000,

213.7175, 242.9518

0.0000

244.3560,
259.5631, 294.2773

■ 29.9206, 32.0917,
37.8750

■ 29.9206, 32.0917,
37.8750

■ 26.3450, 28.8713,
37.4423

■ 33.9411, 35.6100,
38.3427

■ 23.1945, 25.9349,
37.0416

■ 38.4198, 39.4314,
38.8442

■ 20.4519, 23.2738,
36.6725

■ 43.3730, 43.5658,
39.3812

■ 18.0974, 20.8767,
36.3339

■ 48.8150, 48.0217,
39.9545

■ 16.1098, 18.7317,
36.0247

■ 54.7599, 52.8071,
40.5648

■ 14.4655, 16.8258,
35.7435

■ 61.2209, 57.9295,
41.2130

■ 13.1379, 15.1441,
35.4888

■ 67.0975, 62.8226,
41.8477

■ 12.0962, 13.6697,
35.2591

■ 68.4019, 65.4313,
42.2825

■ 11.2800, 12.3704,
35.0514

■ 69.7557, 68.1390,
42.7338

Harmonies

Analogous

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



29.5080, 32.0917, 36.6016



29.9206, 32.0917, 37.8750



30.4936, 32.0917, 38.3580

Triad

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



29.9206, 32.0917, 37.8750



31.6726, 32.0917, 34.9671



29.9353, 32.0917, 32.1419

Complementary

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



29.9206, 32.0917, 37.8750



30.7524, 31.6821, 31.6893

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.



30.5108, 32.0917, 31.7359



29.9206, 32.0917, 37.8750



31.5185, 32.0917, 33.3341

Square

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



29.9206, 32.0917, 37.8750



31.5097, 32.0917, 36.6457



31.0913, 32.0917, 32.1652



29.5164, 32.0917, 33.2927

Rectangle

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



29.9206, 32.0917, 37.8750



30.8910, 32.0917, 38.1549



31.0913, 32.0917, 32.1652



30.1166, 32.0917, 31.9155

Sweetspot

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



29.9215, 32.0931, 37.8757



58.3816, 61.8387, 69.2456



30.0033, 33.4843, 34.1180



12.6790, 13.4529, 15.1721



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.



29.9215, 32.0931, 37.8757



53.3419, 57.3940, 68.6533



28.8055, 29.8610, 37.5037



6.6225, 7.1107, 8.4301



8.7544, 9.6004, 27.2989



0.1952, 0.2489, 0.5010

Inverse Universe

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



30.6932, 30.3987, 35.2616



54.9641, 53.8646, 63.1509



31.8959, 33.9691, 32.0705



6.8035, 6.7143, 7.8165



13.2170, 6.5914, 10.6598



0.2558, 0.1257, 0.2933

Previews

White Background



This preview shows how the XYZ color 29.9206, 32.0917, 37.8750 looks on a white background.

Color Contrast Check

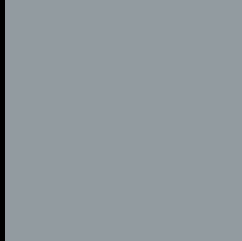
Large Text (above 18pt) WCAG AA × Fail

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 29.9206, 32.0917, 37.8750 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

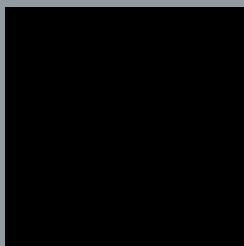
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

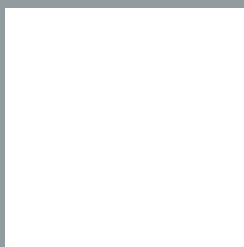
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9206, 32.0917, 37.8750

Background



This preview shows how black text looks on a background with the XYZ color 29.9206, 32.0917, 37.8750.



This preview shows how white text looks on a background with the XYZ color 29.9206, 32.0917,

37.8750.

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

29.9206, 32.0917, 37.8750

Protanopia

31.1668, 32.2542, 37.3839

Deuteranopia

32.6975, 32.0674, 38.1845



Tritanopia

30.4712, 32.0674, 40.6600

Trichromacy



Original Color

29.9206, 32.0917, 37.8750

Protanomaly

30.7625, 32.2898, 37.4121

Deuteranomaly

31.6002, 31.9755, 38.2246

Tritanomaly

30.2891, 31.9946, 39.7011

Monochromacy



Original Color

29.9206, 32.0917, 37.8750

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.1340, 31.9955, 36.0400

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9206, 32.0917, 37.8750 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(146, 155, 160) looks like.

```
.text, #text, p{  
    color:rgb(146, 155, 160)  
}
```

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(146, 155, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 155, 160) }
```

Border

The CSS property to change the border of an element to XYZ 29.9206, 32.0917, 37.8750 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(146, 155, 160) }
```


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

```
.border{ border-color:rgb(146, 155, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 155, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 155, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 155, 160);  
box-shadow:4px 4px 4px 4px rgb(146, 155,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9206, 32.0917, 37.8750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 155, 160) }
```

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

```
.background{ background-color: rgb(146,  
155, 160) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor