

Converting Colors

XYZ(27.0681, 35.3420, 31.9520)

Have a look what the booklet for
XYZ(27.0681, 35.3420, 31.9520)
contains.

XYZ(26.9890, 35.2317, 31.7635)	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(26.9890, 35.2317,
31.7635)**

Conversions

Conversions Part 1

Format	Color
Hex	74AC90
RGB	116, 172, 144
RGB Percent	45%, 67%, 56%
CMY	0.5451, 0.3255, 0.4353
CMYK	0.33, 0.00, 0.16, 0.33
HSL	150°, 25%, 56%
HSV	150°, 33%, 67%
XYZ	26.9890, 35.2317, 31.7635
YIQ	152.0640, -24.3880, -20.5800

Conversions

Conversions Part 2

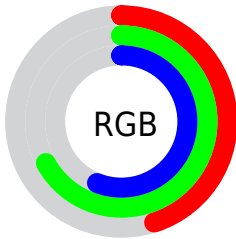
Format	Color
RYB	116, 153, 172
Decimal	7646352
CIELab	65.93, -24.50, 8.61
CIElCh	66, 25.971, 160.632
Yxy	35.2317, 0.2872, 0.3749
Android (android.graphics.Color)	4285836432 (0xFF74AC90)
YUV	152.0640, -3.9756, -31.6281
Hunter-Lab	59.3563, -22.7105, 9.8214

Details

The XYZ color **26.9890, 35.2317, 31.7635** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **28.2939, 23.2758, 29.3883**, and the grayscale version is **29.8976, 31.4546, 34.2540**.

A 20% lighter version of the original color is **54.5140, 68.1101, 63.6994**, and **10.7972, 15.1256, 12.9401** is the 20% darker color. If you saturate the color by 10%, you get **24.2785, 33.9084, 28.3353**, and if you desaturate by 10%, it is **30.1748, 36.7961, 35.4769**.

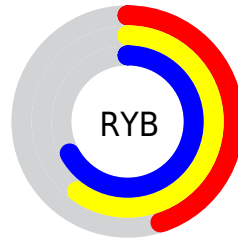
Distribution



Red (45%)

Green (67%)

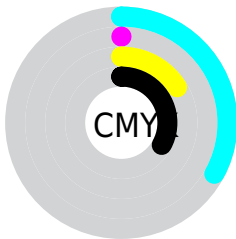
Blue (56%)



Red (45%)

Yellow (60%)

Blue (67%)

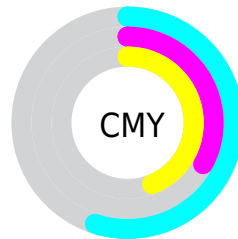


Cyan (33%)

Magenta (0%)

Yellow (16%)

Black (33%)



Cyan (55%)


Magenta (33%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 26.9890, 35.2317, 31.7635 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 26.9890, 35.2317, 31.7635 by changing the saturation by 10% instead.


 26.9890, 35.2317,
31.7635


 26.9890, 35.2317,
31.7635


279.7724,
325.5899, 324.5000


 17.7015, 23.8414,
20.9176


 54.2862, 67.8446,
63.5337

 10.8343, 15.2160,
12.8731


 73.0267, 89.8359,
85.2952

 6.0220, 8.9711,
7.2115


 95.6488, 116.1297,
111.5322

 2.8992, 4.7224,
3.5143

122.5180,
147.1104, 142.6633

 1.1007, 2.0853,
1.3629

153.9996,
183.1624, 179.1071

 0.0257, 0.6563,
0.1125

190.4590,

 0.0000, 0.0000,

224.6700, 221.2821

0.0000

232.2614,
272.0177, 269.6069

■ 26.9890, 35.2317,
31.7635

■ 26.9890, 35.2317,
31.7635

■ 24.2785, 33.9084,
28.3353

■ 30.1748, 36.7961,
35.4769

■ 22.0160, 32.8095,
25.1831

■ 33.8558, 38.6090,
39.4797

■ 20.1756, 31.9226,
22.3003


■ 38.0541, 40.6825,
43.7793


■ 18.7274, 31.2326,
19.6793


■ 42.7896, 43.0267,
48.3818


■ 17.6375, 30.7220,
17.3120


■ 48.0812, 45.6514,
53.2933


 16.8655, 30.3702,
15.1900

 53.9466, 48.5655,
58.5194

 16.4329, 30.1783,
13.7628

 60.4031, 51.7779,
64.0661

 67.4670, 55.2968,
69.9386

 69.0985, 56.0085,
75.8591

Harmonies

Analogous

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



28.9022, 35.2317, 24.4399



26.9890, 35.2317, 31.7635



26.7375, 35.2317, 42.3993

Triad

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



26.9890, 35.2317, 31.7635



34.8684, 35.2317, 63.1415



39.4123, 35.2317, 26.1663

Complementary

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



26.9890, 35.2317, 31.7635



28.2939, 23.2758, 29.3883

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.



41.2855, 35.2317, 34.5883



26.9890, 35.2317, 31.7635



38.5320, 35.2317, 56.7639

Square

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



26.9890, 35.2317, 31.7635



31.0958, 35.2317, 61.9858



40.9515, 35.2317, 45.8149



35.9970, 35.2317, 21.6618

Rectangle

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



26.9890, 35.2317, 31.7635



27.5233, 35.2317, 50.1841



40.9515, 35.2317, 45.8149



40.2546, 35.2317, 28.5586

Sweetspot

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



26.9900, 35.2332, 31.7643



63.1426, 70.8908, 73.4257



29.5714, 36.7813, 22.0643



13.5070, 15.2999, 15.7323



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



26.9900, 35.2332, 31.7643



45.3645, 62.1566, 53.1294



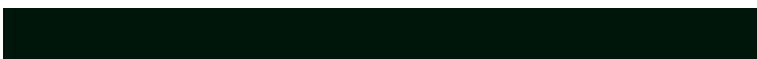
29.3132, 36.1624, 43.9983



8.0652, 9.0036, 9.3684



12.2559, 22.4676, 10.3874



0.3686, 0.6361, 0.4346

Inverse Universe

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



28.2939, 23.2758, 29.3883



48.0977, 37.0912, 48.1488



26.4666, 22.5449, 19.7661



8.1660, 8.0796, 9.1848



13.9385, 7.0379, 7.3213



0.4154, 0.2068, 0.3493

Previews

White Background



This preview shows how the XYZ color 26.9890, 35.2317, 31.7635 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 26.9890, 35.2317, 31.7635 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 26.9890, 35.2317, 31.7635

Background



This preview shows how black text looks on a background with the XYZ color 26.9890, 35.2317, 31.7635.

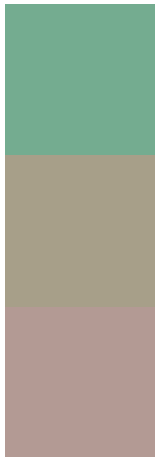


This preview shows how white text looks on a background with the XYZ color 26.9890, 35.2317,

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

26.9890, 35.2317, 31.7635

Protanopia

32.8498, 34.8179, 28.6561

Deuteranopia

35.4913, 34.8330, 32.8698



Tritanopia

30.3691, 35.2178, 48.3771

Trichromacy



Original Color

26.9890, 35.2317, 31.7635

Protanomaly

30.2218, 34.7403, 29.9236

Deuteranomaly

31.7216, 34.6642, 32.6227

Tritanomaly

29.0482, 35.2309, 41.8285

Monochromacy



Original Color

26.9890, 35.2317, 31.7635

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

28.4704, 32.4552, 33.1977

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.9890, 35.2317, 31.7635 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(116, 172, 144)` looks like.

```
.text, #text, p{  
    color:rgb(116, 172, 144)  
}
```

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(116, 172, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 172, 144) }
```

Border

The CSS property to change the border of an element to XYZ 26.9890, 35.2317, 31.7635 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(116, 172, 144) }
```


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

```
.border{ border-color:rgb(116, 172, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 172, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 172, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 172, 144);  
box-shadow:4px 4px 4px 4px rgb(116, 172,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 26.9890, 35.2317, 31.7635 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 172, 144) }
```

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

```
.background{ background-color: rgb(116,  
172, 144) }
```

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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