

Converting Colors

XYZ(17.1631, 14.9069, 30.4808)

Have a look what the booklet for
XYZ(17.1631, 14.9069, 30.4808)
contains.

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Color

**XYZ(17.0891, 14.8066,
30.3910)**

Conversions

Conversions Part 1

Format	Color
Hex	746395
RGB	116, 99, 149
RGB Percent	45%, 39%, 58%
CMY	0.5451, 0.6118, 0.4157
CMYK	0.22, 0.34, 0.00, 0.42
HSL	260°, 20%, 49%
HSV	260°, 34%, 58%
XYZ	17.0891, 14.8066, 30.3910
YIQ	109.7830, -5.9180, 19.1540

Conversions

Conversions Part 2

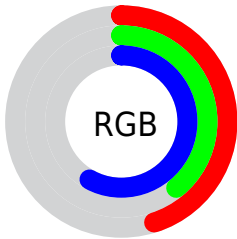
Format	Color
R _Y B	116, 99, 149
Decimal	7627669
CIE Lab	45.37, 17.69, -24.90
CIE LCh	45, 30.540, 305.389
Yxy	14.8066, 0.2744, 0.2377
Android (android.graphics.Color)	4285817749 (0xFF746395)
YUV	109.7830, 19.3340, 5.4523
Hunter-Lab	38.4793, 11.9350, -19.8917

Details

The XYZ color **17.0891, 14.8066, 30.3910** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **22.5157, 27.3016, 15.8880**, and the grayscale version is **14.7069, 15.4728, 16.8499**.

A 20% lighter version of the original color is **38.0480, 34.5595, 61.1652**, and **5.7473, 4.5311, 12.1269** is the 20% darker color. If you saturate the color by 10%, you get **14.5669, 11.6009, 29.9054**, and if you desaturate by 10%, it is **20.0112, 18.6057, 30.9705**.

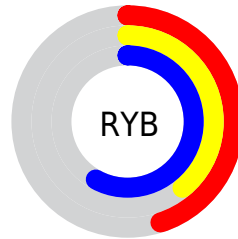
Distribution



Red (45%)

Green (39%)

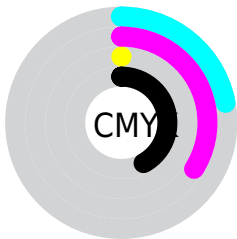
Blue (58%)



Red (45%)

Yellow (39%)

Blue (58%)

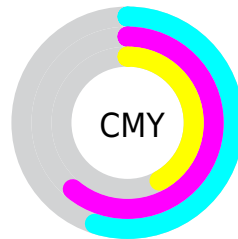


Cyan (22%)

Magenta (34%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (61%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.0891, 14.8066, 30.3910 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 17.0891, 14.8066, 30.3910 by changing the saturation by 10% instead.

■ 17.0891, 14.8066,
30.3910

■ 17.0891, 14.8066,
30.3910

228.8316,
222.1926, 317.9866

■ 10.3937, 8.6838,
19.8810

■ 38.0213, 34.5135,
61.3483

■ 5.7250, 4.5355,
12.1253

■ 52.9888, 48.8664,
82.6326

■ 2.7177, 1.9774,
6.7055

■ 71.4444, 66.7315,
108.3455

■ 1.0063, 0.5943,
3.2030

■ 93.7535, 88.4931,
138.9054

■ 0.0000, 0.0000,
1.1992

120.2814,
114.5356, 174.7310

■ 0.0000, 0.0000,
0.0000

151.3935,

145.2434, 216.2406

187.4551,
181.0009, 263.8530

■ 17.0891, 14.8066,
30.3910

■ 17.0891, 14.8066,
30.3910

■ 14.5669, 11.6009,
29.9054

■ 20.0112, 18.6057,
30.9705

■ 12.4245, 8.9560,
29.5078

■ 23.3489, 23.0251,
31.6477

■ 10.6420, 6.8387,
29.1931

■ 27.1192, 28.0921,
32.4270

■ 9.1973, 5.2114,
28.9551

■ 31.3373, 33.8318,
33.3125

■ 8.0651, 4.0314,
28.7870

■ 36.0178, 40.2680,
34.3081

■ 7.2163, 3.2482,
28.6806

■ 41.1748, 47.4233,
35.4175

■ 6.7730, 2.8649,
28.6300

■ 46.8214, 55.3194,
36.6439

■ 52.9704, 63.9767,
37.9909

■ 59.6343, 73.4153,
39.4615

Harmonies

Analogous

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



14.5360, 14.8066, 34.3969



17.0891, 14.8066, 30.3910



18.9864, 14.8066, 22.6627

Triad

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



17.0891, 14.8066, 30.3910



16.2025, 14.8066, 6.4691



9.7567, 14.8066, 17.4687

Complementary

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



17.0891, 14.8066, 30.3910



22.5157, 27.3016, 15.8880

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.



10.0905, 14.8066, 10.9788



17.0891, 14.8066, 30.3910



13.6204, 14.8066, 5.8347

Square

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



17.0891, 14.8066, 30.3910



18.4329, 14.8066, 9.3133



11.4349, 14.8066, 7.2089



10.4616, 14.8066, 25.6332

Rectangle

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



17.0891, 14.8066, 30.3910



19.5126, 14.8066, 17.2705



11.4349, 14.8066, 7.2089



9.7522, 14.8066, 15.0253

Sweetspot

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



17.0896, 14.8072, 30.3913



43.9907, 44.1456, 57.1236



18.8674, 21.4161, 31.5733



9.5645, 9.5361, 12.6214



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



17.0896, 14.8072, 30.3913



27.2578, 22.2488, 53.7790



20.8150, 16.7277, 30.5657



5.6743, 5.7231, 7.2753



5.7297, 2.4263, 24.0974



0.0993, 0.0447, 0.2963

Inverse Universe

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



21.0215, 16.9797, 23.9997



35.4907, 26.8048, 40.0777



19.1036, 25.5426, 15.7283



5.9524, 5.8760, 6.8553



12.3149, 6.1310, 10.4053



0.1646, 0.0806, 0.2002

Previews

White Background



This preview shows how the XYZ color 17.0891, 14.8066, 30.3910 looks on a white 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

Black Background



This preview shows how the XYZ color 17.0891, 14.8066, 30.3910 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

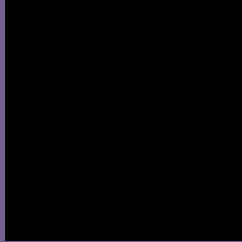
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.0891, 14.8066, 30.3910

Background



This preview shows how black text looks on a background with the XYZ color 17.0891, 14.8066, 30.3910.

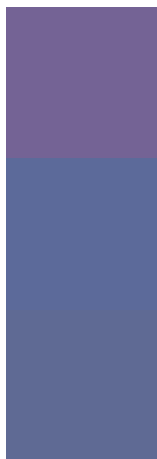


This preview shows how white text looks on a background with the XYZ color 17.0891, 14.8066,

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

17.0891, 14.8066, 30.3910

Protanopia

15.4004, 14.9165, 32.6393

Deuteranopia

15.2186, 14.8791, 30.0868



Tritanopia

14.6217, 14.8380, 18.0130

Trichromacy



Original Color

17.0891, 14.8066, 30.3910

Protanomaly

15.8846, 14.7342, 31.7125

Deuteranomaly

15.7891, 14.7222, 30.0265

Tritanomaly

15.3631, 14.6775, 22.1020

Monochromacy



Original Color

17.0891, 14.8066, 30.3910

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.4742, 15.2080, 21.1886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0891, 14.8066, 30.3910 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, 99, 149)` looks like.

```
.text, #text, p{  
    color:rgb(116, 99, 149)  
}
```

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, 99, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 99, 149) }
```

Border

The CSS property to change the border of an element to XYZ 17.0891, 14.8066, 30.3910 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, 99, 149) }
```


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

```
.border{ border-color:rgb(116, 99, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 99, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 99, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 99, 149);  
box-shadow:4px 4px 4px 4px rgb(116, 99,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0891, 14.8066, 30.3910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 99, 149) }
```

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

```
.background{ background-color: rgb(116, 99,  
149) }
```

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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