

Converting Colors

XYZ(18.6586, 16.8279, 27.0751)

Have a look what the booklet for
XYZ(18.6586, 16.8279, 27.0751)
contains.

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Color

**XYZ(18.7437, 16.9209,
27.0891)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6B8C
RGB	127, 107, 140
RGB Percent	50%, 42%, 55%
CMY	0.5020, 0.5804, 0.4510
CMYK	0.09, 0.24, 0.00, 0.45
HSL	276°, 13%, 48%
HSV	276°, 24%, 55%
XYZ	18.7437, 16.9209, 27.0891
YIQ	116.7420, 1.3270, 14.5030

Conversions

Conversions Part 2

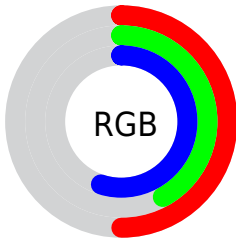
Format	Color
R_{YB}	127, 107, 140
Decimal	8350604
CIE _{Lab}	48.16, 14.48, -15.17
CIE _{LCh}	48, 20.970, 313.672
Yxy	16.9209, 0.2987, 0.2696
Android (android.graphics.Color)	4286540684 (0xFF7F6B8C)
YUV	116.7420, 11.4662, 8.9963
Hunter-Lab	41.1350, 9.3495, -10.2504

Details

The XYZ color **18.7437, 16.9209, 27.0891** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **19.7783, 23.8112, 17.4644**, and the grayscale version is **16.7946, 17.6692, 19.2418**.

A 20% lighter version of the original color is **40.7869, 38.0521, 56.2340**, and **6.6032, 5.5896, 10.4037** is the 20% darker color. If you saturate the color by 10%, you get **16.6017, 13.8228, 26.6043**, and if you desaturate by 10%, it is **21.1681, 20.5163, 27.6556**.

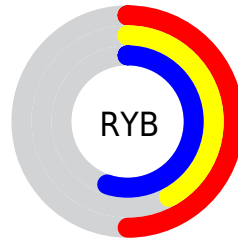
Distribution



Red (50%)

Green (42%)

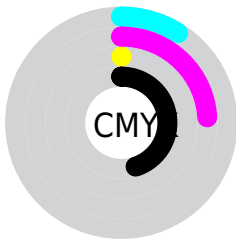
Blue (55%)



Red (50%)

Yellow (42%)

Blue (55%)

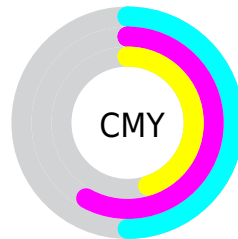


Cyan (9%)

Magenta (24%)

Yellow (0%)

Black (45%)



Cyan (50%)

Magenta (58%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7437, 16.9209, 27.0891 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 18.7437, 16.9209, 27.0891 by changing the saturation by 10% instead.

■ 18.7437, 16.9209,
27.0891

■ 18.7437, 16.9209,
27.0891

237.9955,
234.7161, 301.8621

■ 11.5881, 10.1781,
17.4071

■ 40.8208, 38.1897,
56.0323

■ 6.5341, 5.5172,
10.3602

■ 56.4730, 53.4846,
76.1306

■ 3.2162, 2.5538,
5.5297

■ 75.6882, 72.3988,
100.5380

■ 1.2691, 0.9035,
2.4972

■ 98.8317, 95.3170,
129.6732

■ 0.1599, 0.0000,
0.8386

126.2688,
122.6234, 163.9547

■ 0.0000, 0.0000,
0.0000

158.3649,

154.7025, 203.8010

195.4854,
191.9386, 249.6306

■ 18.7437, 16.9209,
27.0891

■ 18.7437, 16.9209,
27.0891

■ 16.6017, 13.8228,
26.6043

■ 21.1681, 20.5163,
27.6556

■ 14.7283, 11.1968,
26.1961

■ 23.8846, 24.6283,
28.3061

■ 13.1112, 9.0186,
25.8609

■ 26.9043, 29.2780,
29.0444

■ 11.7362, 7.2609,
25.5941

■ 30.2374, 34.4846,
29.8737

■ 10.5873, 5.8933,
25.3907

■ 33.8933, 40.2661,
30.7970

9.6468, 4.8812,
25.2449

37.8812, 46.6399,
31.8170

8.8931, 4.1828,
25.1498

42.2100, 53.6227,
32.9367

8.4660, 3.8175,
25.1019

46.8880, 61.2304,
34.1586

51.9233, 69.4784,
35.4852

Harmonies

Analogous

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



16.9631, 16.9209, 30.5951



18.7437, 16.9209, 27.0891



19.8554, 16.9209, 21.5294

Triad

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



18.7437, 16.9209, 27.0891



17.1334, 16.9209, 10.0872



12.7835, 16.9209, 21.0132

Complementary

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



18.7437, 16.9209, 27.0891



19.7783, 23.8112, 17.4644

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.



12.8212, 16.9209, 15.6326



18.7437, 16.9209, 27.0891



15.2335, 16.9209, 10.0033

Square

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



18.7437, 16.9209, 27.0891



18.8768, 16.9209, 12.0946



13.6865, 16.9209, 11.8371



13.5791, 16.9209, 26.6475

Rectangle

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



18.7437, 16.9209, 27.0891



20.0170, 16.9209, 17.7610



13.6865, 16.9209, 11.8371



12.7011, 16.9209, 19.1032

Sweetspot

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



18.7442, 16.9216, 27.0895



40.3353, 40.7195, 49.4767



17.5383, 18.5011, 27.4579



9.2397, 9.3001, 11.3876



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



18.7442, 16.9216, 27.0895



31.0895, 26.9836, 47.3127



20.5673, 17.8891, 25.9235



5.0463, 5.0323, 6.3112



7.5448, 3.4036, 22.3050



0.0666, 0.0311, 0.1489

Inverse Universe

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



19.4637, 17.4477, 20.1121



32.6293, 28.1025, 32.6972



18.2730, 23.0148, 18.3177



5.1092, 5.0791, 5.6633



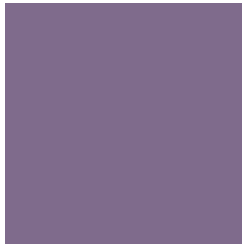
10.2351, 5.2041, 3.7422



0.0748, 0.0373, 0.0610

Previews

White Background



This preview shows how the XYZ color 18.7437, 16.9209, 27.0891 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 18.7437, 16.9209, 27.0891 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

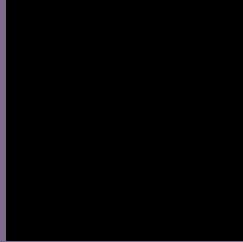
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.7437, 16.9209, 27.0891

Background



This preview shows how black text looks on a background with the XYZ color 18.7437, 16.9209, 27.0891.



This preview shows how white text looks on a background with the XYZ color 18.7437, 16.9209,

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

18.7437, 16.9209, 27.0891

Protanopia

17.0026, 16.9497, 28.7610

Deuteranopia

17.2644, 16.9631, 26.7904



Tritanopia

17.3264, 16.9859, 19.8182

Trichromacy



Original Color

18.7437, 16.9209, 27.0891

Protanomaly

17.5818, 16.9295, 28.3277

Deuteranomaly

17.7073, 16.8675, 26.7486

Tritanomaly

17.8641, 17.0441, 22.4270

Monochromacy



Original Color

18.7437, 16.9209, 27.0891

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.4920, 17.3559, 21.8301

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7437, 16.9209, 27.0891 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(127, 107, 140)` looks like.

```
.text, #text, p{  
    color:rgb(127, 107, 140)  
}
```

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(127, 107, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 107, 140) }
```

Border

The CSS property to change the border of an element to XYZ 18.7437, 16.9209, 27.0891 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(127, 107, 140) }
```


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

```
.border{ border-color:rgb(127, 107, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 107, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 107, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 107, 140);  
box-shadow:4px 4px 4px 4px rgb(127, 107,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 18.7437, 16.9209, 27.0891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 107, 140) }
```

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

```
.background{ background-color: rgb(127,  
107, 140) }
```

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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