Converting Colors

XYZ(4.7658, 2.7784, 18.6975)

Have a look what the booklet for XYZ(4.7658, 2.7784, 18.6975) contains.

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Color

XYZ(4.7658, 2.7784, 18.6975)

Conversions

Conversions Part 1

Format	Color
Hex	251F7A
RGB	37, 31, 122
RGB Percent	15%, 12%, 48%
CMY	0.8549, 0.8784, 0.5216
CMYK	0.70, 0.75, 0.00, 0.52
HSL	244°, 59%, 30%
HSV	244°, 75%, 48%
XYZ	4.7658, 2.7784, 18.6975
YIQ	43.1680, -25.6350, 29.5730

Conversions

Conversions Part 2

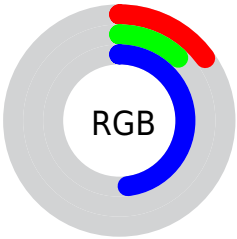
Format	Color
RYB	37, 31, 122
Decimal	2432890
CIELab	19.13, 32.94, -50.59
CIELCh	19, 60.368, 303.066
Yxy	2.7784, 0.1816, 0.1059
Android (android.graphics.Color)	4280622970 (0xFF251F7A)
YUV	43.1680, 38.8642, -5.4093
Hunter-Lab	16.6685, 21.8661, -54.8391

Details

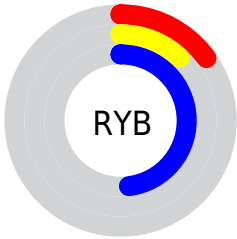
The XYZ color 4.7658, 2.7784, 18.6975 is a dark color, and the websafe version is hex 333399. A complement of this color would be 14.4084, 17.7306, 3.9592, and the grayscale version is 2.2779, 2.3966, 2.6099.

A 20% lighter version of the original color is 15.0416, 10.6969, 41.8294, and 1.1697, 0.4679, 6.1596 is the 20% darker color. If you saturate the color by 10%, you get 4.1585, 2.0786, 18.5945, and if you desaturate by 10%, it is 5.6219, 3.7855, 18.8469.

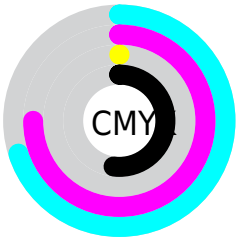
Distribution



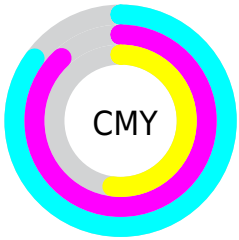
- Red (15%)
- Green (12%)
- Blue (48%)



- Red (15%)
- Yellow (12%)
- Blue (48%)



- Cyan (70%)
- Magenta (75%)
- Yellow (0%)
- Black (52%)



- Cyan (85%)
- Magenta (88%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 4.7658, 2.7784, 18.6975 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 4.7658, 2.7784, 18.6975 by changing the saturation by 10% instead.

4.7658, 2.7784, 18.6975

142.5325, 125.5302, 257.1405

15.0635, 10.7368, 42.0522

23.4699, 17.7028, 58.8238

34.5353, 27.1725, 79.5495

48.6248, 39.5302, 104.6481

66.1040, 55.1605, 134.5379

87.3380, 74.4476,

4.7658, 2.7784, 18.6975

2.1438, 1.0172, 11.2773

0.7129, 0.0000, 6.1372

0.0000, 0.0000, 2.8585

0.0000, 0.0000, 1.0229

0.0000, 0.0000, 0.0000

169.6375

112.6924, 97.7761, 210.3656

4.7658, 2.7784, 18.6975

4.1585, 2.0786, 18.5945

3.7690, 1.6435, 18.5311

3.6137, 1.4571, 18.5033

4.7658, 2.7784, 18.6975

5.6219, 3.7855, 18.8469

6.7492, 5.1298, 19.0469

8.1683, 6.8378, 19.3018

9.8975, 8.9332, 19.6151

11.9538, 11.4378, 19.9902

14.3529, 14.3717, 20.4300

17.1093, 17.7539, 20.9376

20.2370, 21.6020, 21.5155

23.7489, 25.9327, 22.1663

Harmonies

Analogous

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

2.8133, 2.7784, 24.0259

4.7658, 2.7784, 18.6975

6.5755, 2.7784, 9.2496

Triad

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

4.7658, 2.7784, 18.6975

4.3451, 2.7784, 0.0000

0.5417, 2.7784, 3.5353

Complementary

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

4.7658, 2.7784, 18.6975

14.4084, 17.7306, 3.9592

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.

0.6995, 2.7784, 0.3947

4.7658, 2.7784, 18.6975

2.4754, 2.7784, 0.0000

Square

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

4.7658, 2.7784, 18.6975

6.2700, 2.7784, 0.0036

1.2653, 2.7784, 0.0000

0.7783, 2.7784, 11.1295

Rectangle

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

4.7658, 2.7784, 18.6975

7.1800, 2.7784, 4.2537

1.2653, 2.7784, 0.0000

0.5504, 2.7784, 2.0594

Sweetspot

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

4.7660, 2.7785, 18.6976

21.8500, 21.1234, 35.3185

10.4918, 14.5242, 20.6630

4.8060, 4.5978, 8.0408

59.0181, 62.0916, 67.6177

7.4413, 7.8288, 8.5256

Same Dimension

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

4.7660, 2.7785, 18.6976

6.7686, 3.0463, 32.6242

7.4004, 4.1366, 18.8209

3.8199, 3.9050, 4.9956

3.8017, 1.5326, 19.4807

17.8673, 7.1730, 92.9126

Inverse Universe

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

11.6680, 6.3783, 17.1370

19.7042, 9.8048, 29.1652

9.8756, 15.3939, 3.7470

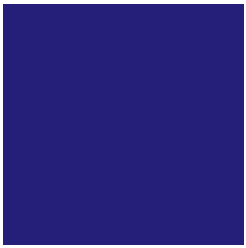
4.1436, 4.0732, 4.9539

11.6435, 5.6336, 17.2115

55.4171, 26.8232, 81.4496

Previews

White Background

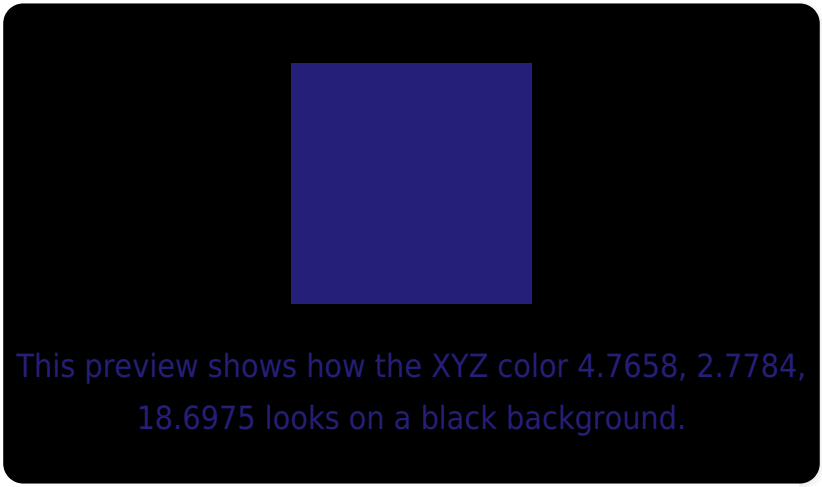


This preview shows how the XYZ color 4.7658, 2.7784, 18.6975 looks on a white background.

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 ✓ Pass

Black 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

If you want to check with other color combinations, try the Color Contrast Checker.

XYZ 4.7658, 2.7784, 18.6975

Background

This preview shows how black text looks on a background with the XYZ color 4.7658, 2.7784, 18.6975.

This preview shows how white text looks on a background with the XYZ color 4.7658, 2.7784,

18.6975.

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
4.7658, 2.7784, 18.6975

Protanopia
3.0497, 2.7213, 11.4309

Deuteranopia
2.5799, 2.7231, 8.3723

Tritanopia
1.9418, 2.7415, 4.1682

Trichromacy

Original Color
4.7658, 2.7784, 18.6975

Protanomaly
3.4746, 2.6231, 13.6878

Deuteranomaly
3.1516, 2.6046, 11.6459

Tritanomaly
2.5146, 2.4661, 7.9329

Monochromacy

Original Color
4.7658, 2.7784, 18.6975

Achromatopsia
2.2962, 2.4158, 2.6308

Achromatomaly
2.8097, 2.3903, 6.4442

CSS Examples

Text

The CSS property to change the color of the text to XYZ 4.7658, 2.7784, 18.6975 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(37, 31, 122) looks like.

```
.text, #text, p{
    color:rgb(37, 31, 122)
}
```

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(37, 31, 122) colored shadow looks like.

Here you see how black text with a 4 pixel rgb(37, 31, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 31, 122) }
```

Border

The CSS property to change the border of an element to XYZ 4.7658, 2.7784, 18.6975 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(37, 31, 122) }
```

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

```
.border{ border-color:rgb(37, 31, 122) }
```

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

Here you see how a box with a 4 pixel rgb(37, 31, 122) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(37, 31, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(37, 31, 122); box-shadow:4px 4px 4px 4px rgb(37, 31, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 4.7658, 2.7784, 18.6975 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{ background:rgb(37, 31, 122) }
```

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

```
.background{ background-color:rgb(37, 31, 122) }
```

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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