

Converting Colors

XYZ(24.7807, 19.6347, 58.0201)

Have a look what the booklet for
XYZ(24.7807, 19.6347, 58.0201)
contains.

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Color

**XYZ(24.7637, 19.6664,
57.7491)**

Conversions

Conversions Part 1

Format	Color
Hex	7F6DC9
RGB	127, 109, 201
RGB Percent	50%, 43%, 79%
CMY	0.5019, 0.5725, 0.2118
CMYK	0.37, 0.46, 0.00, 0.21
HSL	252°, 46%, 61%
HSV	252°, 46%, 79%
XYZ	24.7637, 19.6664, 57.7491
YIQ	124.8700, -18.8040, 32.4280

Conversions

Conversions Part 2

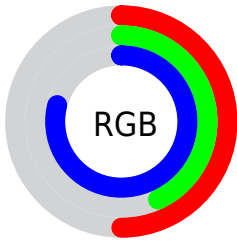
Format	Color
R_{YB}	127, 109, 201
Decimal	8351177
CIE _{Lab}	51.46, 28.58, -45.59
CIE _{LCh}	51, 53.803, 302.086
Yxy	19.6664, 0.2424, 0.1925
Android (android.graphics.Color)	4286541257 (0xFF7F6DC9)
YUV	124.8700, 37.5321, 1.8680
Hunter-Lab	44.3468, 22.0692, -46.1656

Details

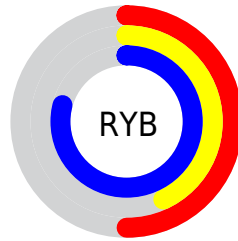
The XYZ color **24.7637, 19.6664, 57.7491** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **43.1755, 52.9449, 22.4124**, and the grayscale version is **19.3324, 20.3392, 22.1494**.

A 20% lighter version of the original color is **50.3233, 42.7770, 100.2122**, and **9.6047, 6.8293, 28.0061** is the 20% darker color. If you saturate the color by 10%, you get **20.6419, 14.7145, 57.0109**, and if you desaturate by 10%, it is **29.7637, 25.7994, 58.6697**.

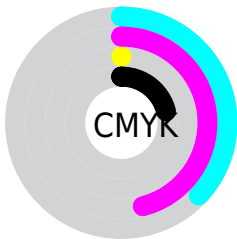
Distribution



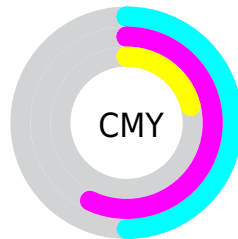
- Red (50%)
- Green (43%)
- Blue (79%)



- Red (50%)
- Yellow (43%)
- Blue (79%)



- Cyan (37%)
- Magenta (46%)
- Yellow (0%)
- Black (21%)



- Cyan (50%)
- Magenta (57%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.7637, 19.6664, 57.7491 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 24.7637, 19.6664, 57.7491 by changing the saturation by 10% instead.

■ 24.7637, 19.6664,
57.7491

■ 24.7637, 19.6664,
57.7491

269.0285,
250.1034, 433.8225

■ 16.0289, 12.1528,
41.1936

■ 50.7193, 42.8572,
103.0686

■ 9.6356, 6.8478,
28.1496

■ 68.6707, 59.3031,
132.6696

■ 5.2184, 3.3671,
18.1984

■ 90.4251, 79.4953,
167.4563

■ 2.4120, 1.3263,
10.9216

■ 116.3478,
103.8181, 207.8471

■ 0.8511, 0.1614,
5.9006

146.8041,
132.6559, 254.2606

■ 0.0000, 0.0000,
2.7169

182.1595,

■ 0.0000, 0.0000,

166.3931, 307.1153

0.9519

222.7791,
205.4141, 366.8297

■ 0.0000, 0.0000,
0.0000

■ 24.7637, 19.6664,
57.7491

■ 24.7637, 19.6664,
57.7491

■ 20.6419, 14.7145,
57.0109

■ 29.7637, 25.7994,
58.6697

■ 17.3437, 10.8642,
56.4416

■ 35.6873, 33.1815,
59.7824

■ 14.8118, 8.0299,
56.0279

■ 42.5797, 41.8781,
61.0978

■ 12.9800, 6.1114,
55.7542

■ 50.4822, 51.9493,
62.6252

■ 11.7693, 4.9864,
55.6008

■ 59.4338, 63.4515,
64.3735

■ 11.3919, 4.6549,
55.5567

■ 69.4713, 76.4380,
66.3511

■ 80.6299, 90.9591,
68.5659

■ 87.5427, 96.9971,
69.3670

Harmonies

Analogous

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



19.0725, 19.6664, 66.9557



24.7637, 19.6664, 57.7491



29.4424, 19.6664, 38.5559

Triad

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



24.7637, 19.6664, 57.7491



23.9830, 19.6664, 4.4253



10.1221, 19.6664, 22.5133

Complementary

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



24.7637, 19.6664, 57.7491



43.1755, 52.9449, 22.4124

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.



10.9407, 19.6664, 10.2966



24.7637, 19.6664, 57.7491



18.3172, 19.6664, 3.3291

Square

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



24.7637, 19.6664, 57.7491



28.9341, 19.6664, 9.1890



13.7045, 19.6664, 4.8142



11.2071, 19.6664, 41.3956

Rectangle

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



24.7637, 19.6664, 57.7491



30.9687, 19.6664, 25.7713



13.7045, 19.6664, 4.8142



10.1833, 19.6664, 17.5767

Sweetspot

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



24.7645, 19.6671, 57.7496



74.9135, 74.2547, 104.9920



34.0180, 41.8052, 61.5349



15.4381, 15.1367, 22.3579



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



24.7645, 19.6671, 57.7496



35.3407, 25.1924, 97.6077



32.9958, 23.9105, 58.1348



10.2472, 10.3857, 13.3820



7.2224, 2.9575, 34.9346



0.4013, 0.1706, 1.6569

Inverse Universe

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



38.1036, 26.7742, 47.9590



61.2844, 39.0414, 77.3826



34.1508, 48.2925, 21.9901



10.9907, 10.7797, 12.9343



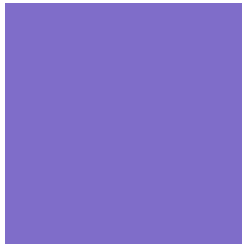
19.2601, 9.4536, 22.3772



0.9354, 0.4570, 1.1829

Previews

White Background



This preview shows how the XYZ color 24.7637, 19.6664, 57.7491 looks on a white 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

Black Background



This preview shows how the XYZ color 24.7637, 19.6664, 57.7491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

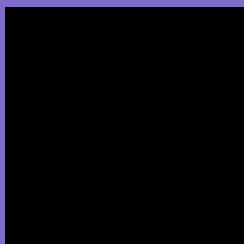
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.7637, 19.6664, 57.7491

Background



This preview shows how black text looks on a background with the XYZ color 24.7637, 19.6664, 57.7491.



This preview shows how white text looks on a background with the XYZ color 24.7637, 19.6664,

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

24.7637, 19.6664, 57.7491

Protanopia

21.9540, 19.9299, 64.3178

Deuteranopia

20.4179, 19.8628, 56.1839



Tritanopia

18.1928, 19.5813, 25.3750

Trichromacy



Original Color

24.7637, 19.6664, 57.7491

Protanomaly

22.5449, 19.5924, 61.6250

Deuteranomaly

21.6111, 19.5672, 56.6706

Tritanomaly

20.1045, 19.4442, 35.0412

Monochromacy



Original Color

24.7637, 19.6664, 57.7491

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

20.9508, 19.9292, 32.8795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.7637, 19.6664, 57.7491 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, 109, 201)` looks like.

```
.text, #text, p{  
    color:rgb(127, 109, 201)  
}
```

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, 109, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 109, 201) }
```

Border

The CSS property to change the border of an element to XYZ 24.7637, 19.6664, 57.7491 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, 109, 201) }
```


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

```
.border{ border-color:rgb(127, 109, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 109, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 109, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 109, 201);  
box-shadow:4px 4px 4px 4px rgb(127, 109,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 24.7637, 19.6664, 57.7491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 109, 201) }
```

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

```
.background{ background-color: rgb(127,  
109, 201) }
```

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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