

Converting Colors

XYZ(31.3984, 19.6604, 37.7373)

Have a look what the booklet for
XYZ(31.3984, 19.6604, 37.7373)
contains.

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Color

**XYZ(31.3984, 19.6604,
37.7373)**

Conversions

Conversions Part 1

Format	Color
Hex	C050A5
RGB	192, 80, 165
RGB Percent	75%, 31%, 65%
CMY	0.2471, 0.6863, 0.3529
CMYK	0.00, 0.58, 0.14, 0.25
HSL	314°, 47%, 53%
HSV	314°, 58%, 75%
XYZ	31.3984, 19.6604, 37.7373
YIQ	123.1780, 39.4670, 50.1790

Conversions

Conversions Part 2

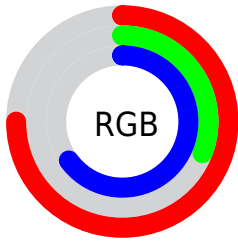
Format	Color
R_{YB}	192, 80, 165
Decimal	12603557
CIE _{Lab}	51.45, 54.90, -24.19
CIE _{LCh}	51, 59.998, 336.221
Yxy	19.6604, 0.3536, 0.2214
Android (android.graphics.Color)	4290793637 (0xFFC050A5)
YUV	123.1780, 20.6182, 60.3569
Hunter-Lab	44.3400, 48.8056, -19.4230

Details

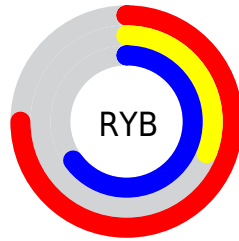
The XYZ color **31.3984, 19.6604, 37.7373** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted rose. A complement of this color would be **24.8127, 40.4669, 20.4147**, and the grayscale version is **18.8112, 19.7909, 21.5522**.

A 20% lighter version of the original color is **61.3659, 43.0045, 72.7765**, and **13.2052, 6.8089, 16.2410** is the 20% darker color. If you saturate the color by 10%, you get **29.7745, 17.0744, 35.1549**, and if you desaturate by 10%, it is **33.4404, 23.0575, 40.5347**.

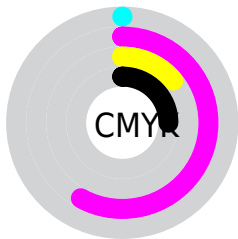
Distribution



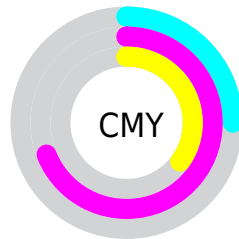
- Red (75%)
- Green (31%)
- Blue (65%)



- Red (75%)
- Yellow (31%)
- Blue (65%)



- Cyan (0%)
- Magenta (58%)
- Yellow (14%)
- Black (25%)





- Cyan (25%)
- Magenta (69%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.3984, 19.6604, 37.7373 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 31.3984, 19.6604, 37.7373 by changing the saturation by 10% instead.


 31.3984, 19.6604,
37.7373


 31.3984, 19.6604,
37.7373


300.1638,
250.0707, 351.7560


 21.0557, 12.1484,
25.4786


 61.2384, 42.8471,
72.9043


 13.2774, 6.8448,
16.2117


 81.4663, 59.2906,
96.6496


 7.6982, 3.3653,
9.5181


 105.7201, 79.4801,
125.0609

 3.9526, 1.3253,
4.9793

 134.3651,
103.7999, 158.5568

 1.6754, 0.1606,
2.1766

 167.7666,
132.6345, 197.5557

 0.4408, 0.0000,
0.6608

206.2900,

 0.0000, 0.0000,

166.3682, 242.4761

0.0000

250.3006,
205.3855, 293.7368

■ 31.3984, 19.6604,
37.7373

■ 31.3984, 19.6604,
37.7373

■ 29.7745, 17.0744,
35.1549

■ 33.4404, 23.0575,
40.5347

■ 28.5314, 15.2262,
32.7737

■ 35.9299, 27.3253,
43.5571

■ 27.6283, 14.0341,
30.5795

■ 38.8957, 32.5207,
46.8150

■ 26.9993, 13.3666,
28.5495

■ 42.3636, 38.6953,
50.3179

■ 26.9043, 13.2729,
28.2210

■ 46.3576, 45.8967,
54.0743

■ 50.9001, 54.1693,
58.0926

■ 56.0121, 63.5552,
62.3805

■ 61.7136, 74.0940,
66.9453

■ 68.0235, 85.8232,
71.7940

Harmonies

Analogous

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



26.3902, 19.6604, 60.8038



31.3984, 19.6604, 37.7373



32.7079, 19.6604, 18.0133

Triad

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



31.3984, 19.6604, 37.7373



17.4607, 19.6604, 2.4745



10.8212, 19.6604, 47.5597

Complementary

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



31.3984, 19.6604, 37.7373



24.8127, 40.4669, 20.4147

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.



9.3840, 19.6604, 25.2019



31.3984, 19.6604, 37.7373



12.6503, 19.6604, 4.2593

Square

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



31.3984, 19.6604, 37.7373



23.7501, 19.6604, 3.1490



9.9733, 19.6604, 10.6341



14.3994, 19.6604, 68.2932

Rectangle

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



31.3984, 19.6604, 37.7373



31.1047, 19.6604, 9.8512



9.9733, 19.6604, 10.6341



10.1111, 19.6604, 39.6365

Sweetspot

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



31.3990, 19.6613, 37.7377



77.4799, 71.4045, 91.8708



18.3438, 12.6166, 51.3379



16.3288, 14.7930, 19.4240



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



31.3990, 19.6613, 37.7377



53.2542, 29.8743, 62.4583



27.4149, 18.0677, 16.7576



10.3901, 10.2047, 12.1449



18.1354, 8.9439, 19.1569



0.8092, 0.3967, 0.9626

Inverse Universe

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



31.3990, 19.6613, 37.7377



53.2542, 29.8743, 62.4583



28.6921, 42.0187, 40.8437



10.3901, 10.2047, 12.1449



18.1354, 8.9439, 19.1569



0.8092, 0.3967, 0.9626

Previews

White Background



This preview shows how the XYZ color 31.3984, 19.6604, 37.7373 looks on a white background.

Color Contrast Check

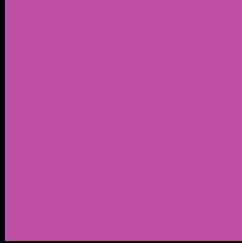
Large Text (above 18pt) WCAG AA ✓ Pass

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 31.3984, 19.6604, 37.7373 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

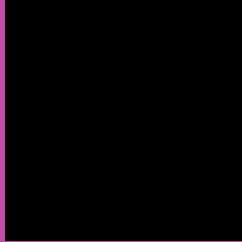
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 31.3984, 19.6604, 37.7373

Background



This preview shows how black text looks on a background with the XYZ color 31.3984, 19.6604, 37.7373.



This preview shows how white text looks on a background with the XYZ color 31.3984, 19.6604,

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

31.3984, 19.6604, 37.7373

Protanopia

21.6465, 20.1316, 56.1710

Deuteranopia

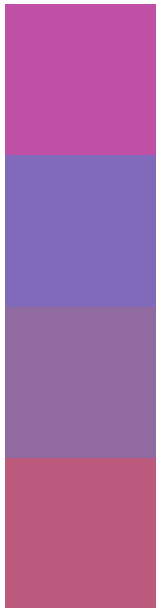
20.2114, 19.8564, 35.1152



Tritanopia

26.8308, 19.7642, 14.9711

Trichromacy



Original Color

31.3984, 19.6604, 37.7373

Protanomaly

23.2229, 18.5991, 48.8204

Deuteranomaly

23.0887, 18.8106, 36.1321

Tritanomaly

28.0969, 19.4844, 21.6820

Monochromacy



Original Color

31.3984, 19.6604, 37.7373

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

22.0579, 18.6463, 26.4813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.3984, 19.6604, 37.7373 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(192, 80, 165)` looks like.

```
.text, #text, p{  
    color:rgb(192, 80, 165)  
}
```

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(192, 80, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 80, 165) }
```

Border

The CSS property to change the border of an element to XYZ 31.3984, 19.6604, 37.7373 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(192, 80, 165) }
```


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

```
.border{ border-color:rgb(192, 80, 165) }
```

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

Here you see how a box with a 4 pixel rgb(192, 80, 165) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 80, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 80, 165);  
box-shadow:4px 4px 4px 4px rgb(192, 80,  
165) }
```

Background

The CSS property to change the background color of an element to XYZ 31.3984, 19.6604, 37.7373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 80, 165) }
```

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

```
.background{ background-color: rgb(192, 80,  
165) }
```

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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