

Converting Colors

XYZ(13.4727, 9.8908, 47.6357)

Have a look what the booklet for
XYZ(13.4727, 9.8908, 47.6357)
contains.

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Color

**XYZ(13.4413, 9.8450,
47.6462)**

Conversions

Conversions Part 1

Format	Color
Hex	3D4DBA
RGB	61, 77, 186
RGB Percent	24%, 30%, 73%
CMY	0.7608, 0.6980, 0.2706
CMYK	0.67, 0.59, 0.00, 0.27
HSL	232°, 51%, 48%
HSV	232°, 67%, 73%
XYZ	13.4413, 9.8450, 47.6462
YIQ	84.6420, -44.5250, 30.5070

Conversions

Conversions Part 2

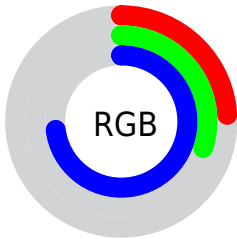
Format	Color
R_{YB}	61, 75, 186
Decimal	4017594
CIE _{Lab}	37.56, 29.62, -59.49
CIE _{LCh}	38, 66.458, 296.471
Yxy	9.8450, 0.1895, 0.1388
Android (android.graphics.Color)	4282207674 (0xFF3D4DBA)
YUV	84.6420, 49.9695, -20.7340
Hunter-Lab	31.3767, 21.5573, -68.0693

Details

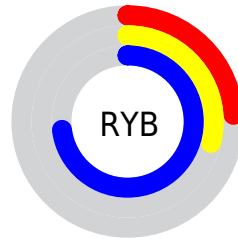
The XYZ color **13.4413, 9.8450, 47.6462** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **35.4688, 39.5290, 10.1765**, and the grayscale version is **8.4665, 8.9074, 9.7001**.

A 20% lighter version of the original color is **31.6646, 25.5303, 88.0530**, and **4.7087, 2.7537, 22.1131** is the 20% darker color. If you saturate the color by 10%, you get **11.4916, 7.3601, 47.2696**, and if you desaturate by 10%, it is **16.0720, 13.1010, 48.1363**.

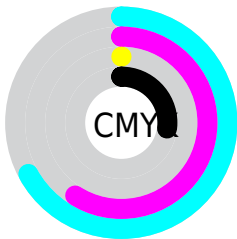
Distribution



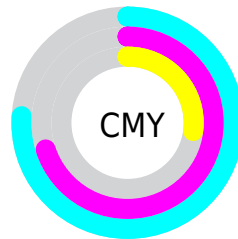
- Red (24%)
- Green (30%)
- Blue (73%)



- Red (24%)
- Yellow (29%)
- Blue (73%)



- Cyan (67%)
- Magenta (59%)
- Yellow (0%)
- Black (27%)



- Cyan (76%)
- Magenta (70%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4413, 9.8450, 47.6462 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 13.4413, 9.8450, 47.6462 by changing the saturation by 10% instead.

■ 13.4413, 9.8450,
47.6462

■ 13.4413, 9.8450,
47.6462

207.3078,
189.5622, 393.8562

■ 7.8122, 5.2963,
33.1888

■ 31.6890, 25.5036,
88.0375

■ 4.0258, 2.4221,
21.9988

■ 45.0383, 37.3822,
114.8084

■ 1.7167, 0.8372,
13.6577

■ 61.6917, 52.4730,
146.5209

■ 0.4667, 0.0000,
7.7470

■ 82.0145, 71.1602,
183.5935

■ 0.0000, 0.0000,
3.8480

■ 106.3722, 93.8284,
226.4449

■ 0.0000, 0.0000,
1.5423

135.1301,

■ 0.0000, 0.0000,

120.8618, 275.4934

0.2492

168.6535,
152.6450, 331.1576

■ 0.0000, 0.0000,
0.0000

■ 13.4413, 9.8450,
47.6462

■ 13.4413, 9.8450,
47.6462

■ 11.4916, 7.3601,
47.2696

■ 16.0720, 13.1010,
48.1363

■ 10.1568, 5.5803,
46.9964

■ 19.4382, 17.1849,
48.7471

■ 9.3515, 4.4255,
46.8159

■ 23.5909, 22.1489,
49.4864

■ 9.1854, 4.1901,
46.7793

■ 28.5758, 28.0407,
50.3609

■ 34.4352, 34.9044,
51.3769

■ 41.2084, 42.7815,
52.5403

■ 48.9325, 51.7109,
53.8568

■ 57.6422, 61.7295,
55.3315

■ 67.3708, 72.8724,
56.9696

Harmonies

Analogous

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



8.8688, 9.8450, 54.3814



13.4413, 9.8450, 47.6462



17.8392, 9.8450, 29.2566

Triad

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



13.4413, 9.8450, 47.6462



14.5680, 9.8450, 0.6546



3.3873, 9.8450, 9.3574

Complementary

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



13.4413, 9.8450, 47.6462



35.4688, 39.5290, 10.1765

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.



4.1083, 9.8450, 2.3446



13.4413, 9.8450, 47.6462



9.8636, 9.8450, 0.0000

Square

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



13.4413, 9.8450, 47.6462



18.6148, 9.8450, 3.3590



6.1978, 9.8450, 0.3687



3.8277, 9.8450, 24.6983

Rectangle

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



13.4413, 9.8450, 47.6462



19.6177, 9.8450, 17.0957



6.1978, 9.8450, 0.3687



3.4946, 9.8450, 6.1661

Sweetspot

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



13.4418, 9.8453, 47.6465



58.9154, 59.1767, 92.5185



26.6769, 38.9875, 43.8204



12.3089, 12.2527, 20.2588



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



13.4418, 9.8453, 47.6465



19.4542, 11.5306, 85.4017



16.5762, 9.9994, 47.5110



8.6113, 8.8998, 11.3434



6.2111, 2.8819, 31.4820



0.2492, 0.1620, 1.1199

Inverse Universe

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



23.2585, 14.3133, 8.5580



38.8235, 21.3343, 8.0552



29.2454, 41.0452, 10.7972



9.0501, 9.0304, 9.6114



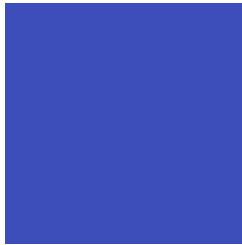
13.7488, 7.0733, 1.2978



0.4999, 0.2554, 0.1260

Previews

White Background



This preview shows how the XYZ color 13.4413, 9.8450, 47.6462 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



This preview shows how the XYZ color 13.4413, 9.8450, 47.6462 looks on a 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 13.4413, 9.8450, 47.6462

Background



This preview shows how black text looks on a background with the XYZ color 13.4413, 9.8450, 47.6462.



This preview shows how white text looks on a background with the XYZ color 13.4413, 9.8450,

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

13.4413, 9.8450, 47.6462

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.5726, 9.6789, 32.3740



Tritanopia

6.9175, 9.7553, 14.8830

Trichromacy



Original Color

13.4413, 9.8450, 47.6462

Protanomaly

11.7917, 9.5826, 45.4841

Deuteranomaly

10.4623, 9.4207, 37.3434

Tritanomaly

8.2901, 9.2041, 23.8939

Monochromacy



Original Color

13.4413, 9.8450, 47.6462

Achromatopsia

8.6345, 9.0842, 9.8927

Achromatomaly

9.5106, 8.9762, 19.6437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4413, 9.8450, 47.6462 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(61, 77, 186)` looks like.

```
.text, #text, p{  
    color:rgb(61, 77, 186)  
}
```

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(61, 77, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 77, 186) }
```

Border

The CSS property to change the border of an element to XYZ 13.4413, 9.8450, 47.6462 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(61, 77, 186) }
```


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

```
.border{ border-color:rgb(61, 77, 186) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 77, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(61, 77, 186); -webkit-box-shadow:4px 4px 4px 4px rgb(61, 77, 186); box-shadow:4px 4px 4px 4px rgb(61, 77, 186) }
```

Background

The CSS property to change the background color of an element to XYZ 13.4413, 9.8450, 47.6462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 77, 186) }
```

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

```
.background{ background-color: rgb(61, 77,  
186) }
```

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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