

Converting Colors

XYZ(13.1959, 10.1339, 19.6698)

Have a look what the booklet for
XYZ(13.1959, 10.1339, 19.6698)
contains.

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Color

**XYZ(13.2314, 10.1503,
19.6742)**

Conversions

Conversions Part 1

Format	Color
Hex	744B7A
RGB	116, 75, 122
RGB Percent	45%, 29%, 48%
CMY	0.5451, 0.7059, 0.5216
CMYK	0.05, 0.39, 0.00, 0.52
HSL	292°, 24%, 39%
HSV	292°, 39%, 48%
XYZ	13.2314, 10.1503, 19.6742
YIQ	92.6170, 9.3490, 23.3090

Conversions

Conversions Part 2

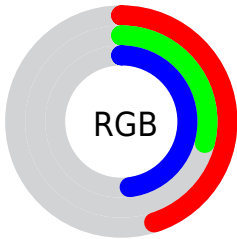
Format	Color
R_{YB}	116, 75, 122
Decimal	7621498
CIE _{Lab}	38.11, 25.90, -19.77
CIE _{LCh}	38, 32.584, 322.637
Yxy	10.1503, 0.3073, 0.2357
Android (android.graphics.Color)	4285811578 (0xFF744B7A)
YUV	92.6170, 14.4858, 20.5069
Hunter-Lab	31.8595, 18.3776, -14.3116

Details

The XYZ color **13.2314, 10.1503, 19.6742** is a dark color, and the websafe version is hex **663366**. A complement of this color would be **11.6232, 16.1767, 9.1669**, and the grayscale version is **10.2816, 10.8170, 11.7797**.

A 20% lighter version of the original color is **31.4337, 26.1974, 43.9573**, and **3.9567, 2.5531, 6.5876** is the 20% darker color. If you saturate the color by 10%, you get **12.2768, 8.5456, 19.4149**, and if you desaturate by 10%, it is **14.3489, 12.0751, 19.9870**.

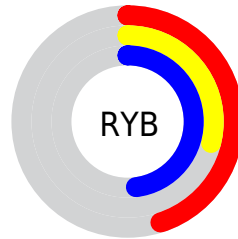
Distribution



Red (45%)

Green (29%)

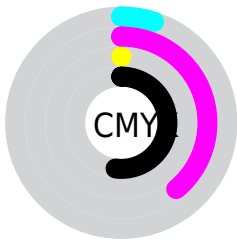
Blue (48%)



Red (45%)

Yellow (29%)

Blue (48%)

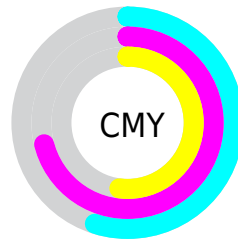


Cyan (5%)

Magenta (39%)

Yellow (0%)

Black (52%)



Cyan (55%)

Magenta (71%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.2314, 10.1503, 19.6742 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 13.2314, 10.1503, 19.6742 by changing the saturation by 10% instead.

■ 13.2314, 10.1503,
19.6742

■ 13.2314, 10.1503,
19.6742

206.0032,
191.7414, 262.6915

■ 7.6662, 5.4987,
11.9767

■ 31.3167, 26.0778,
43.7220

■ 3.9321, 2.5427,
6.6055

■ 44.5674, 38.1226,
60.9095

■ 1.6638, 0.8980,
3.1419

■ 61.1108, 53.4005,
82.0973

■ 0.4334, 0.0000,
1.1676

■ 81.3120, 72.2959,
107.7041

■ 0.0000, 0.0000,
0.0000

■ 105.5365, 95.1934,
138.1484

134.1496,

122.4772, 173.8487

167.5167,
154.5317, 215.2235

■ 13.2314, 10.1503,
19.6742

■ 13.2314, 10.1503,
19.6742

■ 12.2768, 8.5456,
19.4149

■ 14.3489, 12.0751,
19.9870

■ 11.4748, 7.2414,
19.2055

■ 15.6366, 14.3355,
20.3554

■ 10.8159, 6.2181,
19.0427

■ 17.1028, 16.9474,
20.7823

■ 10.2888, 5.4533,
18.9228

■ 18.7546, 19.9255,
21.2701

■ 9.8804, 4.9209,
18.8416

■ 20.5990, 23.2836,
21.8210

■ 9.5547, 4.5488,
18.7869

■ 22.6426, 27.0347,
22.4373

■ 9.5076, 4.4955,
18.7791

■ 24.8916, 31.1913,
23.1211

■ 27.3519, 35.7652,
23.8743

■ 30.0293, 40.7680,
24.6988

Harmonies

Analogous

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



11.2891, 10.1503, 25.5555



13.2314, 10.1503, 19.6742



14.2389, 10.1503, 12.6033

Triad

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



13.2314, 10.1503, 19.6742



10.1751, 10.1503, 3.0861



6.3761, 10.1503, 16.1351

Complementary

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



13.2314, 10.1503, 19.6742



11.6232, 16.1767, 9.1669

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.



6.1674, 10.1503, 9.6334



13.2314, 10.1503, 19.6742



8.1734, 10.1503, 3.4391

Square

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



13.2314, 10.1503, 19.6742



12.3153, 10.1503, 4.1665



6.7774, 10.1503, 5.4087



7.3959, 10.1503, 23.0474

Rectangle

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



13.2314, 10.1503, 19.6742



14.1554, 10.1503, 8.7071



6.7774, 10.1503, 5.4087



6.2155, 10.1503, 13.7840

Sweetspot

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



13.2317, 10.1507, 19.6744



29.0794, 28.0102, 36.2668



9.3772, 8.8260, 19.6219



6.5914, 6.3019, 8.2757



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.



13.2317, 10.1507, 19.6744



21.8191, 15.4004, 34.2155



13.0803, 10.1853, 14.5787



4.1066, 4.0528, 5.0090



10.0051, 4.7306, 19.7711



47.2251, 22.3074, 94.2865

Inverse Universe

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



12.0276, 9.7642, 9.0358



19.4483, 14.6553, 12.5488



11.8035, 16.1920, 12.6825



4.0172, 4.0226, 4.2883



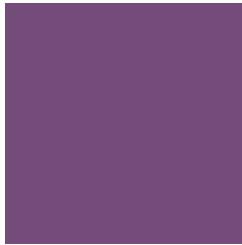
8.5433, 4.3935, 0.8860



40.5719, 20.8851, 3.2755

Previews

White Background



This preview shows how the XYZ color 13.2314, 10.1503, 19.6742 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



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 13.2314, 10.1503, 19.6742

Background



This preview shows how black text looks on a background with the XYZ color 13.2314, 10.1503, 19.6742.



This preview shows how white text looks on a background with the XYZ color 13.2314, 10.1503,

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

13.2314, 10.1503, 19.6742

Protanopia

10.7077, 10.3341, 23.6206

Deuteranopia

10.4694, 10.3157, 18.8921



Tritanopia

11.3343, 10.1187, 10.5882

Trichromacy



Original Color

13.2314, 10.1503, 19.6742

Protanomaly

11.3492, 10.0993, 22.1201

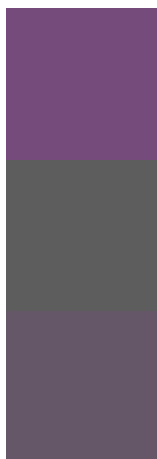
Deuteranomaly

11.2798, 10.1296, 19.1300

Tritanomaly

11.9063, 10.0228, 13.3637

Monochromacy



Original Color

13.2314, 10.1503, 19.6742

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

11.1933, 10.4218, 14.5184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.2314, 10.1503, 19.6742 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(116, 75, 122)` looks like.

```
.text, #text, p{  
    color:rgb(116, 75, 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(116, 75, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 75, 122) }
```

Border

The CSS property to change the border of an element to XYZ 13.2314, 10.1503, 19.6742 is called "border". The border property can be set on classes, ids or directly on the HTML element.

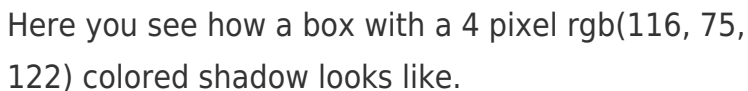
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 75, 122) }
```


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

```
.border{ border-color:rgb(116, 75, 122) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 75, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 75, 122); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 75, 122); box-shadow:4px 4px 4px 4px rgb(116, 75, 122) }
```

Background

The CSS property to change the background color of an element to XYZ 13.2314, 10.1503, 19.6742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 75, 122) }
```

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

```
.background{ background-color: rgb(116, 75,  
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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