

Converting Colors

XYZ(32.2043, 19.3427, 16.9258)

Have a look what the booklet for
XYZ(32.2043, 19.3427, 16.9258)
contains.

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Color

**XYZ(32.3222, 19.4062,
16.7940)**

Conversions

Conversions Part 1

Format	Color
Hex	D5446E
RGB	213, 68, 110
RGB Percent	84%, 27%, 43%
CMY	0.1647, 0.7333, 0.5686
CMYK	0.00, 0.68, 0.48, 0.16
HSL	343°, 63%, 55%
HSV	343°, 68%, 84%
XYZ	32.3222, 19.4062, 16.7940
YIQ	116.1430, 72.9380, 43.8020

Conversions

Conversions Part 2

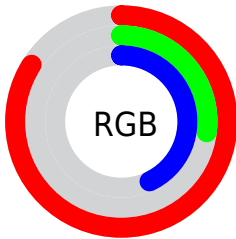
Format	Color
R_{YB}	213, 68, 110
Decimal	13976686
CIE _{Lab}	51.16, 59.52, 8.53
CIE _{LCh}	51, 60.129, 8.159
Yxy	19.4062, 0.4717, 0.2832
Android (android.graphics.Color)	4292166766 (0xFFD5446E)
YUV	116.1430, -3.0285, 84.9436
Hunter-Lab	44.0525, 53.8773, 8.2338

Details

The XYZ color **32.3222, 19.4062, 16.7940** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark muted rose. A complement of this color would be **33.5303, 51.7583, 46.7556**, and the grayscale version is **16.6387, 17.5052, 19.0632**.

A 20% lighter version of the original color is **55.0066, 38.5004, 38.2504**, and **14.0341, 7.1312, 5.3394** is the 20% darker color. If you saturate the color by 10%, you get **30.5051, 16.9798, 12.4649**, and if you desaturate by 10%, it is **34.7488, 22.8265, 22.0206**.

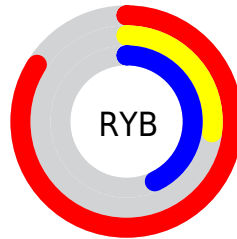
Distribution



Red (84%)

Green (27%)

Blue (43%)



Red (84%)

Yellow (27%)

Blue (43%)

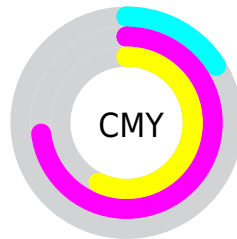


Cyan (0%)

Magenta (68%)

Yellow (48%)

Black (16%)



Cyan (16%)


Magenta (73%)


Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.3222, 19.4062, 16.7940 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 32.3222, 19.4062, 16.7940 by changing the saturation by 10% instead.


 32.3222, 19.4062,
16.7940


 32.3222, 19.4062,
16.7940


304.3036,
248.6821, 245.9861


 21.7645, 11.9642,
9.9273


 62.6776, 42.4194,
38.7570


 13.7996, 6.7193,
5.2458


 83.2061, 58.7593,
54.6905


 8.0622, 3.2872,
2.3310

 107.7887, 78.8339,
74.4833

 4.1869, 1.2834,
0.7485

 136.7911,
103.0277, 98.5539

 1.8084, 0.1283,
0.0000

 170.5783,
131.7250, 127.3210

 0.5227, 0.0000,
0.0000

209.5160,

 0.0000, 0.0000,

165.3103, 161.2030

0.0000

253.9693,
204.1678, 200.6185

■ 32.3222, 19.4062,
16.7940

■ 32.3222, 19.4062,
16.7940

■ 30.5051, 16.9798,
12.4649

■ 34.7488, 22.8265,
22.0206

■ 29.2353, 15.4343,
8.9770

■ 37.8355, 27.3311,
28.1940


■ 28.4279, 14.6124,
6.2636


■ 41.6290, 33.0039,
35.3604


■ 28.3015, 14.4905,
5.8179


■ 46.1716, 39.9193,
43.5630

■ 51.5016, 48.1459,
52.8419

 57.6551, 57.7470,
63.2351

 64.6658, 68.7818,
74.7789

 72.5653, 81.3061,
87.5077

 79.8630, 92.3311,
100.9475

Harmonies

Analogous

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



31.3031, 19.4062, 35.8944



32.3222, 19.4062, 16.7940



29.0390, 19.4062, 6.6193

Triad

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



32.3222, 19.4062, 16.7940



12.2159, 19.4062, 4.3770



14.4909, 19.4062, 68.7790

Complementary

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



32.3222, 19.4062, 16.7940



33.5303, 51.7583, 46.7556

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.



10.8031, 19.4062, 48.6914



32.3222, 19.4062, 16.7940



9.7010, 19.4062, 11.0973

Square

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



32.3222, 19.4062, 16.7940



16.8613, 19.4062, 2.4251



9.2465, 19.4062, 26.1548



20.1249, 19.4062, 73.3335

Rectangle

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



32.3222, 19.4062, 16.7940



25.1974, 19.4062, 3.6881



9.2465, 19.4062, 26.1548



13.0215, 19.4062, 63.2443

Sweetspot

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



32.3227, 19.4073, 16.7943



75.5888, 69.5481, 76.2995



30.5482, 17.4302, 64.7050



15.6817, 14.1171, 15.4693



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.



32.3227, 19.4073, 16.7943



44.8385, 24.2563, 16.0795



32.7596, 23.1143, 8.2052



12.5697, 12.4794, 13.6743



17.3265, 8.8669, 3.7574



1.0808, 0.5491, 0.4149

Inverse Universe

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



32.3227, 19.4073, 16.7943



44.8385, 24.2563, 16.0795



31.5356, 40.3151, 69.0702



12.5697, 12.4794, 13.6743



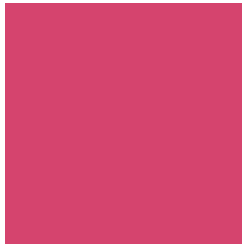
17.3265, 8.8669, 3.7574



1.0808, 0.5491, 0.4149

Previews

White Background



This preview shows how the XYZ color 32.3222, 19.4062, 16.7940 looks on a white background.

Color Contrast Check

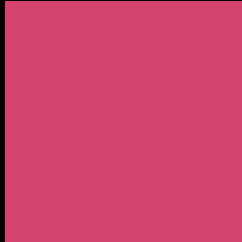
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.3222, 19.4062, 16.7940 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

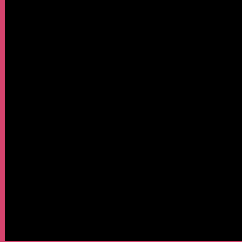
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 32.3222, 19.4062, 16.7940

Background



This preview shows how black text looks on a background with the XYZ color 32.3222, 19.4062, 16.7940.



This preview shows how white text looks on a background with the XYZ color 32.3222, 19.4062,

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

32.3222, 19.4062, 16.7940

Protanopia

19.3655, 19.7762, 27.2226

Deuteranopia

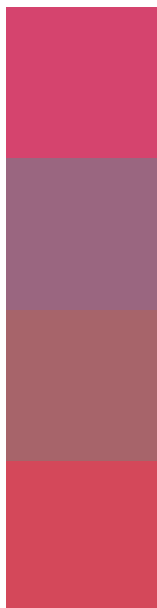
19.9111, 19.5989, 15.5655



Tritanopia

30.7913, 19.4456, 9.5276

Trichromacy



Original Color

32.3222, 19.4062, 16.7940

Protanomaly

21.9741, 17.9313, 22.7250

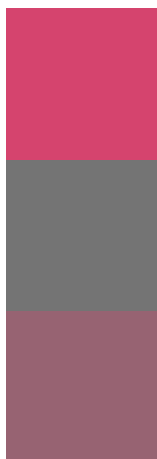
Deuteranomaly

23.0950, 18.3704, 15.9643

Tritanomaly

31.3142, 19.3700, 11.7612

Monochromacy



Original Color

32.3222, 19.4062, 16.7940

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.2616, 16.7179, 18.0786

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.3222, 19.4062, 16.7940 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(213, 68, 110)` looks like.

```
.text, #text, p{  
    color:rgb(213, 68, 110)  
}
```

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(213, 68, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 68, 110) }
```

Border

The CSS property to change the border of an element to XYZ 32.3222, 19.4062, 16.7940 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(213, 68, 110) }
```


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

```
.border{ border-color:rgb(213, 68, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 68, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 68, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 68, 110);  
box-shadow:4px 4px 4px 4px rgb(213, 68,  
110) }
```

Background

The CSS property to change the background color of an element to XYZ 32.3222, 19.4062, 16.7940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 68, 110) }
```

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

```
.background{ background-color: rgb(213, 68,  
110) }
```

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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