

Converting Colors

XYZ(10.1845, 13.1098, 19.2089)

Have a look what the booklet for
XYZ(10.1845, 13.1098, 19.2089)
contains.

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Color

**XYZ(10.2112, 13.1637,
19.1422)**

Conversions

Conversions Part 1

Format	Color
Hex	336E76
RGB	51, 110, 118
RGB Percent	20%, 43%, 46%
CMY	0.8000, 0.5686, 0.5373
CMYK	0.57, 0.07, 0.00, 0.54
HSL	187°, 40%, 33%
HSV	187°, 57%, 46%
XYZ	10.2112, 13.1637, 19.1422
YIQ	93.2710, -37.7320, -10.0200

Conversions

Conversions Part 2

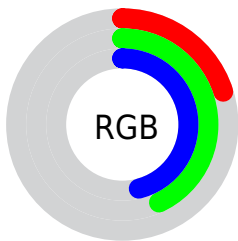
Format	Color
RYB	51, 82, 118
Decimal	3370614
CIELab	43.01, -16.66, -10.30
CIElCh	43, 19.584, 211.735
Yxy	13.1637, 0.2402, 0.3096
Android (android.graphics.Color)	4281560694 (0xFF336E76)
YUV	93.2710, 12.1914, -37.0717
Hunter-Lab	36.2818, -13.2559, -5.8840

Details

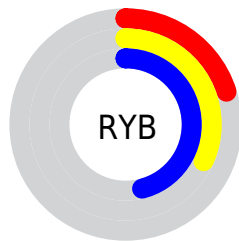
The XYZ color **10.2112, 13.1637, 19.1422** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **9.6330, 7.2188, 4.0180**, and the grayscale version is **10.4469, 10.9910, 11.9691**.

A 20% lighter version of the original color is **25.8849, 31.6860, 42.7819**, and **2.8281, 3.8874, 6.3956** is the 20% darker color. If you saturate the color by 10%, you get **9.5398, 12.5940, 19.0679**, and if you desaturate by 10%, it is **11.0368, 13.8171, 19.2250**.

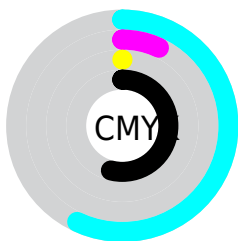
Distribution



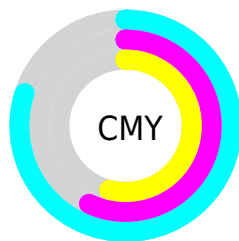
- Red (20%)
- Green (43%)
- Blue (46%)



- Red (20%)
- Yellow (32%)
- Blue (46%)



- Cyan (57%)
- Magenta (7%)
- Yellow (0%)
- Black (54%)



- Cyan (80%)
- Magenta (57%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 10.2112, 13.1637, 19.1422 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 10.2112, 13.1637, 19.1422 by changing the saturation by 10% instead.

■ 10.2112, 13.1637,
19.1422

■ 10.2112, 13.1637,
19.1422

186.1952,
211.9642, 259.6815

■ 5.6026, 7.5414,
11.5952

■ 25.8381, 31.5976,
42.8141

■ 2.6433, 3.8029,
6.3495

■ 37.5870, 45.1779,
59.7762

■ 0.9681, 1.5639,
2.9865

■ 52.4468, 62.1797,
80.7137

■ 0.0000, 0.3331,
1.0878

■ 70.7827, 82.9873,
106.0451

■ 0.0000, 0.0000,
0.0000

■ 92.9601, 107.9852,
136.1891

■ 119.3445,

137.5577, 171.5641

150.3010,
172.0892, 212.5887

■ 10.2112, 13.1637,
19.1422

■ 10.2112, 13.1637,
19.1422

■ 9.5398, 12.5940,
19.0679

■ 11.0368, 13.8171,
19.2250

■ 9.0097, 12.1004,
19.0005

■ 12.0258, 14.5580,
19.3159

■ 8.6080, 11.6766,
18.9399

■ 13.1882, 15.3919,
19.4156

■ 8.3050, 11.3072,
18.8846

■ 14.5327, 16.3233,
19.5245

■ 8.2116, 11.1911,
18.8671

■ 16.0676, 17.3566,
19.6431

■ 17.8005, 18.4955,
19.7716

■ 19.7386, 19.7440,
19.9104

■ 21.8889, 21.1056,
20.0599

■ 24.2580, 22.5836,
20.2203

Harmonies

Analogous

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



9.8396, 13.1637, 14.5851



10.2112, 13.1637, 19.1422



11.1924, 13.1637, 22.9287

Triad

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



10.2112, 13.1637, 19.1422



15.2337, 13.1637, 18.6207



12.4244, 13.1637, 7.5497

Complementary

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



10.2112, 13.1637, 19.1422



9.6330, 7.2188, 4.0180

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.



13.9308, 13.1637, 8.2092



10.2112, 13.1637, 19.1422



15.6284, 13.1637, 14.0839

Square

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



10.2112, 13.1637, 19.1422



14.0942, 13.1637, 22.5877



15.1341, 13.1637, 10.4054



11.0523, 13.1637, 8.3832

Rectangle

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



10.2112, 13.1637, 19.1422



12.1008, 13.1637, 24.1832



15.1341, 13.1637, 10.4054



12.9318, 13.1637, 7.6034

Sweetspot

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



10.2116, 13.1642, 19.1425



25.3902, 28.5903, 34.3173



8.6287, 13.9748, 6.3558



5.7527, 6.5152, 7.8833



57.3938, 60.3827, 65.7568



6.9614, 7.3239, 7.9757

Same Dimension

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



10.2116, 13.1642, 19.1425



16.4773, 21.8776, 33.4913



7.2674, 7.2758, 18.1611



3.7478, 4.0843, 4.6810



8.8778, 12.0953, 20.4093



42.8498, 58.1162, 99.3194

Inverse Universe

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



11.4699, 7.3454, 15.5657



19.0099, 10.8762, 26.1326



11.9237, 11.8002, 4.7816



3.8087, 3.7508, 4.5195



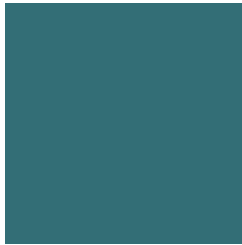
10.7782, 5.2450, 14.5722



52.3153, 25.4763, 69.9151

Previews

White Background



This preview shows how the XYZ color 10.2112, 13.1637, 19.1422 looks on a white background.

Color Contrast Check

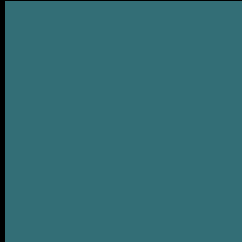
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 10.2112, 13.1637, 19.1422 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

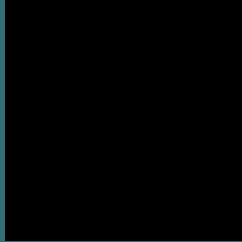
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 10.2112, 13.1637, 19.1422

Background



This preview shows how black text looks on a background with the XYZ color 10.2112, 13.1637, 19.1422.



This preview shows how white text looks on a background with the XYZ color 10.2112, 13.1637,

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

10.2112, 13.1637, 19.1422

Protanopia

12.7373, 12.9935, 17.1659

Deuteranopia

13.2188, 13.0464, 19.5908



Tritanopia

10.2709, 13.1876, 19.4569

Trichromacy



Original Color

10.2112, 13.1637, 19.1422

Protanomaly

11.4673, 12.9094, 17.8070

Deuteranomaly

11.7473, 12.8714, 19.3180

Tritanomaly

10.2709, 13.1876, 19.4569

Monochromacy



Original Color

10.2112, 13.1637, 19.1422

Achromatopsia

10.4043, 10.9462, 11.9204

Achromatomaly

10.0020, 11.5027, 14.2635

CSS Examples

Text

The CSS property to change the color of the text to XYZ 10.2112, 13.1637, 19.1422 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(51, 110, 118)` looks like.

```
.text, #text, p{  
    color:rgb(51, 110, 118)  
}
```

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(51, 110, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 110, 118) }
```

Border

The CSS property to change the border of an element to XYZ 10.2112, 13.1637, 19.1422 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(51, 110, 118) }
```


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

```
.border{ border-color:rgb(51, 110, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 110, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 110, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 110, 118);  
box-shadow:4px 4px 4px 4px rgb(51, 110,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 10.2112, 13.1637, 19.1422 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 110, 118) }
```

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

```
.background{ background-color: rgb(51, 110,  
118) }
```

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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