

Converting Colors

XYZ(21.2527, 13.8382, 5.9264)

Have a look what the booklet for
XYZ(21.2527, 13.8382, 5.9264)
contains.

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Color

**XYZ(21.2096, 13.8162,
5.9638)**

Conversions

Conversions Part 1

Format	Color
Hex	B2433D
RGB	178, 67, 61
RGB Percent	70%, 26%, 24%
CMY	0.3020, 0.7372, 0.7608
CMYK	0.00, 0.62, 0.66, 0.30
HSL	3°, 49%, 47%
HSV	3°, 66%, 70%
XYZ	21.2096, 13.8162, 5.9638
YIQ	99.5050, 68.0820, 21.6660

Conversions

Conversions Part 2

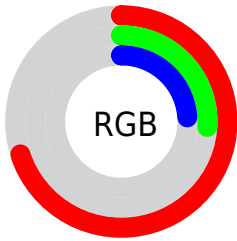
Format	Color
R_{YB}	178, 67, 61
Decimal	11682621
CIE _{Lab}	43.97, 44.79, 27.44
CIE _{LCh}	44, 52.527, 31.492
Yxy	13.8162, 0.5174, 0.3371
Android (android.graphics.Color)	4289872701 (0xFFB2433D)
YUV	99.5050, -18.9830, 68.8401
Hunter-Lab	37.1701, 36.8058, 16.5063

Details

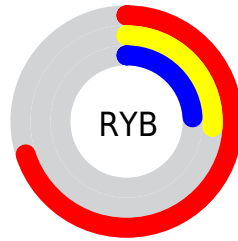
The XYZ color **21.2096, 13.8162, 5.9638** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.7117, 33.7092, 47.3235**, and the grayscale version is **12.0224, 12.6485, 13.7742**.

A 20% lighter version of the original color is **45.0734, 32.8878, 18.4403**, and **7.7821, 4.0959, 0.9527** is the 20% darker color. If you saturate the color by 10%, you get **19.9455, 11.9324, 3.5568**, and if you desaturate by 10%, it is **22.9261, 16.3506, 9.3068**.

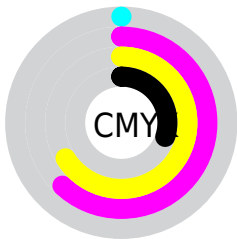
Distribution



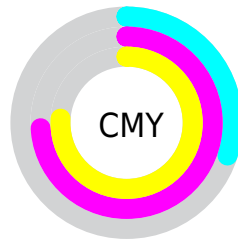
- Red (70%)
- Green (26%)
- Blue (24%)



- Red (70%)
- Yellow (26%)
- Blue (24%)



- Cyan (0%)
- Magenta (62%)
- Yellow (66%)
- Black (30%)





- Cyan (30%)
- Magenta (74%)
- Yellow (76%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2096, 13.8162, 5.9638 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 21.2096, 13.8162, 5.9638 by changing the saturation by 10% instead.


 21.2096, 13.8162,
5.9638

 21.2096, 13.8162,
5.9638


251.1010,
216.0844, 168.0425


 13.3906, 7.9929,
2.7546


 44.9248, 32.7625,
18.3321


 7.7769, 4.0904,
0.9708


 61.5517, 46.6544,
28.3283


 4.0031, 1.7243,
0.0000

 81.8453, 64.0046,
41.4239

 1.7039, 0.4393,
0.0000

 106.1709, 85.1976,
58.0375

 0.4587, 0.0000,
0.0000

 134.8939,
110.6176, 78.5877

 0.0000, 0.0000,
0.0000

 168.3797,

140.6492, 103.4928

206.9936,
175.6766, 133.1716

■ 21.2096, 13.8162,
5.9638

■ 21.2096, 13.8162,
5.9638

■ 19.9455, 11.9324,
3.5568

■ 22.9261, 16.3506,
9.3068

■ 19.0903, 10.6376,
1.9896

■ 25.1314, 19.5851,
13.6676

■ 18.5922, 9.8626,
1.1420

■ 27.8593, 23.5672,
19.1200

■ 18.4592, 9.6633,
0.8923

■ 31.1402, 28.3395,
25.7306

■ 35.0023, 33.9414,
33.5609

■ 39.4719, 40.4098,
42.6679

■ 44.5736, 47.7792,
53.1050

■ 50.3306, 56.0823,
64.9227

■ 56.7650, 65.3502,
78.1688

Harmonies

Analogous

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



22.8707, 13.8162, 14.4542



21.2096, 13.8162, 5.9638



17.3353, 13.8162, 2.5519

Triad

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



21.2096, 13.8162, 5.9638



7.2784, 13.8162, 6.5396



13.3415, 13.8162, 51.5738

Complementary

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



21.2096, 13.8162, 5.9638



24.7117, 33.7092, 47.3235

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.



9.6696, 13.8162, 45.5243



21.2096, 13.8162, 5.9638



6.6446, 13.8162, 15.6486

Square

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



21.2096, 13.8162, 5.9638



9.3781, 13.8162, 2.7393



7.4200, 13.8162, 30.4803



17.7736, 13.8162, 44.2864

Rectangle

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



21.2096, 13.8162, 5.9638



14.3522, 13.8162, 1.8530



7.4200, 13.8162, 30.4803



11.9828, 13.8162, 51.0199

Sweetspot

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



21.2099, 13.8170, 5.9640



60.1076, 56.6700, 54.0244



27.4896, 15.7868, 40.7035



12.8923, 11.9393, 11.1088



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



21.2099, 13.8170, 5.9640



35.3638, 20.4240, 4.9543



26.5804, 24.5579, 7.7542



8.5302, 8.5729, 8.8577



13.2221, 6.9428, 0.6432



0.4275, 0.2415, 0.0241

Inverse Universe

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



24.7117, 33.7092, 47.3235



42.1178, 59.0583, 85.5607



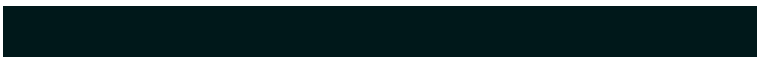
15.9383, 16.1623, 44.3990



8.7045, 9.5553, 10.8919



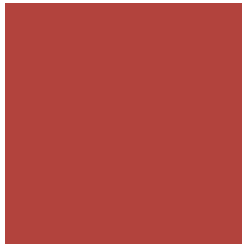
15.8975, 22.5954, 33.6604



0.5115, 0.7335, 1.0629

Previews

White Background



This preview shows how the XYZ color 21.2096, 13.8162, 5.9638 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 21.2096, 13.8162, 5.9638

Background



This preview shows how black text looks on a background with the XYZ color 21.2096, 13.8162, 5.9638.



This preview shows how white text looks on a background with the XYZ color 21.2096, 13.8162,

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

21.2096, 13.8162, 5.9638

Protanopia

13.1316, 14.1219, 8.6903

Deuteranopia

14.1488, 13.9794, 5.5670



Tritanopia

21.4138, 13.8036, 7.3301

Trichromacy



Original Color

21.2096, 13.8162, 5.9638

Protanomaly

15.1631, 13.2427, 7.5513

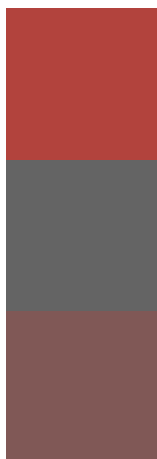
Deuteranomaly

16.0823, 13.3858, 5.6070

Tritanomaly

21.3214, 13.7667, 6.8437

Monochromacy



Original Color

21.2096, 13.8162, 5.9638

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.0715, 12.2405, 10.4251

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2096, 13.8162, 5.9638 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(178, 67, 61)` looks like.

```
.text, #text, p{  
    color:rgb(178, 67, 61)  
}
```

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(178, 67, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 67, 61) }
```

Border

The CSS property to change the border of an element to XYZ 21.2096, 13.8162, 5.9638 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(178, 67, 61) }
```


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

```
.border{ border-color:rgb(178, 67, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 67, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 67, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 67, 61);  
box-shadow:4px 4px 4px 4px rgb(178, 67,  
61) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2096, 13.8162, 5.9638 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 67, 61) }
```

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

```
.background{ background-color: rgb(178, 67,  
61) }
```

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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