

Converting Colors

XYZ(21.2444, 13.1015, 7.2148)

Have a look what the booklet for
XYZ(21.2444, 13.1015, 7.2148)
contains.

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Color

**XYZ(21.2090, 13.0520,
7.1958)**

Conversions

Conversions Part 1

Format	Color
Hex	B33A46
RGB	179, 58, 70
RGB Percent	70%, 23%, 27%
CMY	0.2980, 0.7725, 0.7255
CMYK	0.00, 0.68, 0.61, 0.30
HSL	354°, 51%, 46%
HSV	354°, 68%, 70%
XYZ	21.2090, 13.0520, 7.1958
YIQ	95.5470, 68.2640, 29.3840

Conversions

Conversions Part 2

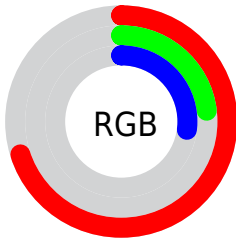
Format	Color
R _Y B	179, 58, 70
Decimal	11745862
CIE Lab	42.84, 49.64, 20.59
CIE LCh	43, 53.744, 22.527
Yxy	13.0520, 0.5116, 0.3148
Android (android.graphics.Color)	4289935942 (0xFFB33A46)
YUV	95.5470, -12.5947, 73.1883
Hunter-Lab	36.1276, 41.5668, 13.4800

Details

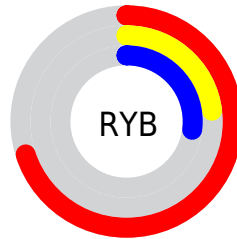
The XYZ color **21.2090, 13.0520, 7.1958** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.8411, 35.9302, 42.1884**, and the grayscale version is **11.0272, 11.6014, 12.6340**.

A 20% lighter version of the original color is **44.9994, 31.4216, 20.8328**, and **7.9436, 4.0722, 1.4043** is the 20% darker color. If you saturate the color by 10%, you get **20.0157, 11.3737, 4.6150**, and if you desaturate by 10%, it is **22.8532, 15.4137, 10.6014**.

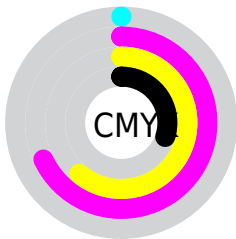
Distribution



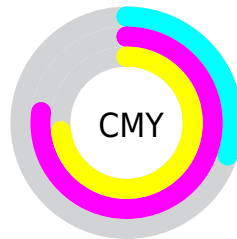
- Red (70%)
- Green (23%)
- Blue (27%)



- Red (70%)
- Yellow (23%)
- Blue (27%)



- Cyan (0%)
- Magenta (68%)
- Yellow (61%)
- Black (30%)





- Cyan (30%)
- Magenta (77%)
- Yellow (73%)
- Black (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2090, 13.0520, 7.1958 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 21.2090, 13.0520, 7.1958 by changing the saturation by 10% instead.


 21.2090, 13.0520,
7.1958


 21.2090, 13.0520,
7.1958


251.0979,
211.2507, 178.9731


 13.3902, 7.4644,
3.5046


 44.9238, 31.3972,
20.8856


 7.7766, 3.7542,
1.3577

 61.5504, 44.9235,
31.7212


 4.0029, 1.5370,
0.1084

 81.8438, 61.8648,
45.7753

 1.7038, 0.3146,
0.0000

 106.1691, 82.6056,
63.4666

 0.4586, 0.0000,
0.0000

 134.8919,
107.5302, 85.2134

 0.0000, 0.0000,
0.0000

168.3773,

137.0229, 111.4344

206.9909,
171.4683, 142.5481

■ 21.2090, 13.0520,
7.1958

■ 21.2090, 13.0520,
7.1958

■ 20.0157, 11.3737,
4.6150

■ 22.8532, 15.4137,
10.6014

■ 19.2271, 10.3038,
2.7880

■ 24.9868, 18.5192,
14.8936

■ 18.7783, 9.7337,
1.6292

■ 27.6448, 22.4245,
20.1287

■ 18.6975, 9.6265,
1.4340

■ 30.8591, 27.1800,
26.3585

■ 34.6590, 32.8316,
33.6308

■ 39.0715, 39.4221,
41.9903

■ 44.1221, 46.9915,
51.4792

■ 49.8349, 55.5775,
62.1374

■ 56.2325, 65.2157,
74.0028

Harmonies

Analogous

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



21.9828, 13.0520, 17.3560



21.2090, 13.0520, 7.1958



17.8486, 13.0520, 2.7666

Triad

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



21.2090, 13.0520, 7.1958



7.1402, 13.0520, 4.4234



11.4078, 13.0520, 50.4275

Complementary

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



21.2090, 13.0520, 7.1958



24.8411, 35.9302, 42.1884

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.



8.1996, 13.0520, 40.7289



21.2090, 13.0520, 7.1958



6.1140, 13.0520, 11.4716

Square

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



21.2090, 13.0520, 7.1958



9.6228, 13.0520, 1.8925



6.4538, 13.0520, 24.7394



15.6788, 13.0520, 46.9479

Rectangle

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



21.2090, 13.0520, 7.1958



14.9273, 13.0520, 1.7204



6.4538, 13.0520, 24.7394



10.1851, 13.0520, 48.4750

Sweetspot

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



21.2093, 13.0527, 7.1960



60.0987, 55.8587, 56.4673



25.5655, 14.4862, 44.0964



12.8903, 11.7438, 11.6985



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.



21.2093, 13.0527, 7.1960



35.0884, 19.3280, 6.5431



24.5501, 20.2809, 6.6246



8.5295, 8.5185, 9.0206



13.2243, 6.8073, 1.0751



0.4272, 0.2186, 0.0923

Inverse Universe

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



21.2093, 13.0527, 7.1960



35.0884, 19.3280, 6.5431



17.9451, 20.2805, 45.6165



8.5295, 8.5185, 9.0206



13.2243, 6.8073, 1.0751



0.4272, 0.2186, 0.0923

Previews

White Background



This preview shows how the XYZ color 21.2090, 13.0520, 7.1958 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

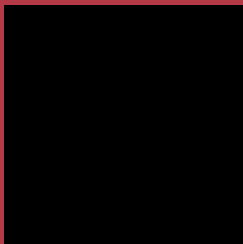
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2090, 13.0520, 7.1958

Background



This preview shows how black text looks on a background with the XYZ color 21.2090, 13.0520, 7.1958.



This preview shows how white text looks on a background with the XYZ color 21.2090, 13.0520,

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

21.2090, 13.0520, 7.1958

Protanopia

12.6179, 13.3498, 11.3629

Deuteranopia

13.3685, 13.1305, 6.6803



Tritanopia

21.0516, 13.0705, 6.1159

Trichromacy



Original Color

21.2090, 13.0520, 7.1958

Protanomaly

14.5236, 12.2513, 9.5819

Deuteranomaly

15.4043, 12.4195, 6.7396

Tritanomaly

21.1377, 13.1050, 6.5697

Monochromacy



Original Color

21.2090, 13.0520, 7.1958

Achromatopsia

11.1181, 11.6971, 12.7381

Achromatomaly

13.3418, 11.1583, 10.4674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2090, 13.0520, 7.1958 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(179, 58, 70)` looks like.

```
.text, #text, p{  
    color:rgb(179, 58, 70)  
}
```

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(179, 58, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 58, 70) }
```

Border

The CSS property to change the border of an element to XYZ 21.2090, 13.0520, 7.1958 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(179, 58, 70) }
```


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

```
.border{ border-color:rgb(179, 58, 70) }
```

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

Here you see how a box with a 4 pixel rgb(179, 58, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 58, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 58, 70);  
box-shadow:4px 4px 4px 4px rgb(179, 58,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2090, 13.0520, 7.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 58, 70) }
```

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

```
.background{ background-color: rgb(179, 58,  
70) }
```

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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