

Converting Colors

XYZ(21.2804, 13.7181, 8.9396)

Have a look what the booklet for
XYZ(21.2804, 13.7181, 8.9396)
contains.

XYZ(21.2640, 13.6910, 8.9190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(21.2640, 13.6910,
8.9190)**

Conversions

Conversions Part 1

Format	Color
Hex	B0424F
RGB	176, 66, 79
RGB Percent	69%, 26%, 31%
CMY	0.3098, 0.7412, 0.6902
CMYK	0.00, 0.62, 0.55, 0.31
HSL	353°, 45%, 47%
HSV	353°, 62%, 69%
XYZ	21.2640, 13.6910, 8.9190
YIQ	100.3720, 61.3870, 27.3630

Conversions

Conversions Part 2

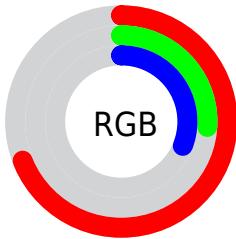
Format	Color
R_{YB}	176, 66, 79
Decimal	11551311
CIE Lab	43.79, 45.83, 16.22
CIE LCh	44, 48.618, 19.490
Yxy	13.6910, 0.4847, 0.3121
Android (android.graphics.Color)	4289741391 (0xFFB0424F)
YUV	100.3720, -10.5364, 66.3258
Hunter-Lab	37.0014, 37.8283, 11.6094

Details

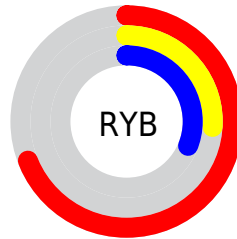
The XYZ color **21.2640, 13.6910, 8.9190** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **24.3839, 34.8536, 40.0952**, and the grayscale version is **12.2238, 12.8604, 14.0050**.

A 20% lighter version of the original color is **45.0852, 32.5850, 24.3354**, and **7.8071, 4.0380, 1.9580** is the 20% darker color. If you saturate the color by 10%, you get **19.8888, 11.7416, 5.9913**, and if you desaturate by 10%, it is **23.0882, 16.3273, 12.6473**.

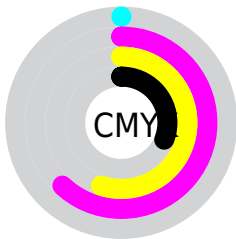
Distribution



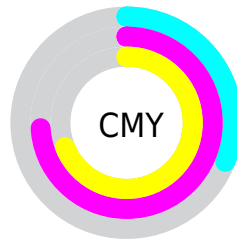
- Red (69%)
- Green (26%)
- Blue (31%)



- Red (69%)
- Yellow (26%)
- Blue (31%)



- Cyan (0%)
- Magenta (62%)
- Yellow (55%)
- Black (31%)



- Cyan (31%)
- Magenta (74%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.2640, 13.6910, 8.9190 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 21.2640, 13.6910, 8.9190 by changing the saturation by 10% instead.

■ 21.2640, 13.6910,
8.9190

■ 21.2640, 13.6910,
8.9190

251.3834,
215.3000, 192.9683

■ 13.4307, 7.9061,
4.5923

■ 45.0145, 32.5397,
24.3166

■ 7.8048, 4.0349,
1.9556

■ 61.6623, 46.3723,
36.2245

■ 4.0211, 1.6931,
0.5278

■ 81.9790, 63.6563,
51.4966

■ 1.7141, 0.4192,
0.0000

■ 106.3300, 84.7760,
70.5514

■ 0.4650, 0.0000,
0.0000

■ 135.0806,
110.1158, 93.8074

■ 0.0000, 0.0000,
0.0000

168.5961,

140.0601, 121.6832

207.2419,
174.9934, 154.5973

■ 21.2640, 13.6910,
8.9190

■ 21.2640, 13.6910,
8.9190

■ 19.8888, 11.7416,
5.9913

■ 23.0882, 16.3273,
12.6473

■ 18.9221, 10.4130,
3.8045

■ 25.3949, 19.7042,
17.2287

■ 18.3177, 9.6299,
2.2912

■ 28.2160, 23.8727,
22.7118

■ 18.0379, 9.2835,
1.5406

■ 31.5799, 28.8786,
29.1416

■ 35.5131, 34.7641,
36.5599

■ 40.0405, 41.5688,
45.0060

■ 45.1854, 49.3296,
54.5171

■ 50.9697, 58.0816,
65.1286

■ 57.4144, 67.8579,
76.8741

Harmonies

Analogous

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



21.6808, 13.6910, 19.0952



21.2640, 13.6910, 8.9190



18.4074, 13.6910, 3.9336

Triad

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



21.2640, 13.6910, 8.9190



8.1781, 13.6910, 4.9747



11.7151, 13.6910, 46.7507

Complementary

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



21.2640, 13.6910, 8.9190



24.3839, 34.8536, 40.0952

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.



8.7910, 13.6910, 37.3822



21.2640, 13.6910, 8.9190



7.0316, 13.6910, 11.3812

Square

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



21.2640, 13.6910, 8.9190



10.7070, 13.6910, 2.5536



7.2314, 13.6910, 23.1102



15.6281, 13.6910, 44.9432

Rectangle

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



21.2640, 13.6910, 8.9190



15.7677, 13.6910, 2.5934



7.2314, 13.6910, 23.1102



10.5992, 13.6910, 44.6756

Sweetspot

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



21.2643, 13.6918, 8.9192



59.4187, 55.5776, 56.9128



24.5504, 14.6435, 42.6068



12.4654, 11.4298, 11.5546



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



21.2643, 13.6918, 8.9192



35.3194, 20.2498, 9.2003



24.0769, 20.0012, 7.7468



8.5358, 8.5211, 9.0542



13.2467, 6.8162, 1.1930



0.4298, 0.2197, 0.1063

Inverse Universe

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



21.2643, 13.6918, 8.9192



35.3194, 20.2498, 9.2003



18.8412, 21.8082, 44.2906



8.5358, 8.5211, 9.0542



13.2467, 6.8162, 1.1930



0.4298, 0.2197, 0.1063

Previews

White Background



This preview shows how the XYZ color 21.2640, 13.6910, 8.9190 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 21.2640, 13.6910, 8.9190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

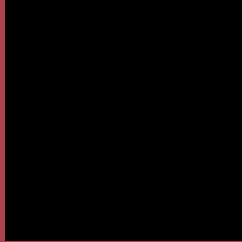
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.2640, 13.6910, 8.9190

Background



This preview shows how black text looks on a background with the XYZ color 21.2640, 13.6910, 8.9190.



This preview shows how white text looks on a background with the XYZ color 21.2640, 13.6910,

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

21.2640, 13.6910, 8.9190

Protanopia

13.2923, 13.9518, 13.3017

Deuteranopia

14.1054, 13.8938, 8.4169



Tritanopia

21.0490, 13.6993, 7.4961

Trichromacy



Original Color

21.2640, 13.6910, 8.9190

Protanomaly

15.1745, 13.0371, 11.3895

Deuteranomaly

16.1219, 13.3409, 8.5628

Tritanomaly

21.1477, 13.7388, 8.0158

Monochromacy



Original Color

21.2640, 13.6910, 8.9190

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

14.3236, 12.3413, 11.7524

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.2640, 13.6910, 8.9190 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(176, 66, 79)` looks like.

```
.text, #text, p{  
    color:rgb(176, 66, 79)  
}
```

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(176, 66, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 66, 79) }
```

Border

The CSS property to change the border of an element to XYZ 21.2640, 13.6910, 8.9190 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(176, 66, 79) }
```


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

```
.border{ border-color:rgb(176, 66, 79) }
```

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

Here you see how a box with a 4 pixel rgb(176, 66, 79) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 66, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 66, 79);  
box-shadow:4px 4px 4px 4px rgb(176, 66,  
79) }
```

Background

The CSS property to change the background color of an element to XYZ 21.2640, 13.6910, 8.9190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 66, 79) }
```

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

```
.background{ background-color: rgb(176, 66,  
79) }
```

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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