

Converting Colors

XYZ(21.0823, 13.4485, 6.3731)

Have a look what the booklet for
XYZ(21.0823, 13.4485, 6.3731)
contains.

XYZ(21.1189, 13.5019, 6.3435)	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(21.1189, 13.5019,
6.3435)**

Conversions

Conversions Part 1

Format	Color
Hex	B24040
RGB	178, 64, 64
RGB Percent	70%, 25%, 25%
CMY	0.3020, 0.7490, 0.7490
CMYK	0.00, 0.64, 0.64, 0.30
HSL	0°, 47%, 47%
HSV	0°, 64%, 70%
XYZ	21.1189, 13.5019, 6.3435
YIQ	98.0860, 67.9440, 24.1680

Conversions

Conversions Part 2

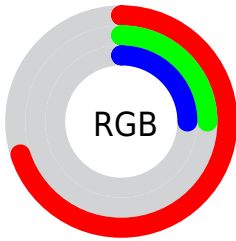
Format	Color
R_{YB}	178, 64, 64
Decimal	11681856
CIE _{Lab}	43.51, 46.33, 25.07
CIE _{LCh}	44, 52.680, 28.418
Yxy	13.5019, 0.5155, 0.3296
Android (android.graphics.Color)	4289871936 (0xFFB24040)
YUV	98.0860, -16.8044, 70.0846
Hunter-Lab	36.7449, 38.2880, 15.4859

Details

The XYZ color **21.1189, 13.5019, 6.3435** is a dark color, and the websafe version is hex **993333**. A complement of this color would be **26.0693, 36.1425, 47.7215**, and the grayscale version is **11.6601, 12.2673, 13.3591**.

A 20% lighter version of the original color is **44.8825, 32.2432, 19.1872**, and **7.7431, 3.9761, 1.0688** is the 20% darker color. If you saturate the color by 10%, you get **19.8423, 11.6340, 3.8053**, and if you desaturate by 10%, it is **22.8781, 16.0764, 9.8401**.

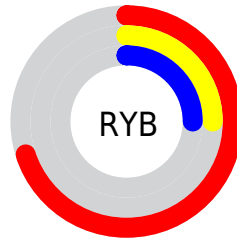
Distribution



Red (70%)

Green (25%)

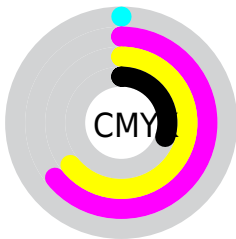
Blue (25%)



Red (70%)

Yellow (25%)

Blue (25%)

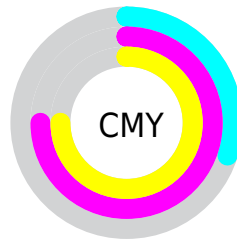


Cyan (0%)

Magenta (64%)

Yellow (64%)

Black (30%)



Cyan (30%)


Magenta (75%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 21.1189, 13.5019, 6.3435 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 21.1189, 13.5019, 6.3435 by changing the saturation by 10% instead.

 21.1189, 13.5019,
6.3435


 21.1189, 13.5019,
6.3435


250.6295,
214.1097, 171.5099


 13.3239, 7.7751,
2.9829


 44.7751, 32.2026,
19.1296


 7.7305, 3.9514,
1.0859


 61.3670, 45.9452,
29.3923

 3.9733, 1.6464,
0.0000

 81.6220, 63.1285,
42.7927

 1.6871, 0.3886,
0.0000

 105.9053, 84.1370,
59.7494

 0.4481, 0.0000,
0.0000

 134.5824,
109.3549, 80.6809

 0.0000, 0.0000,
0.0000

 168.0185,

139.1667, 106.0058

206.5791,
173.9569, 136.1426

■ 21.1189, 13.5019,
6.3435

■ 21.1189, 13.5019,
6.3435

■ 19.8423, 11.6340,
3.8053

■ 22.8781, 16.0764,
9.8401

■ 18.9995, 10.4007,
2.1301

■ 25.1603, 19.4160,
14.3770

■ 18.5334, 9.7187,
1.2037

■ 28.0029, 23.5756,
20.0279

■ 18.3601, 9.4651,
0.8593

■ 31.4396, 28.6044,
26.8598

■ 35.5013, 34.5479,
34.9344

■ 40.2169, 41.4481,
44.3089

■ 45.6135, 49.3449,
55.0373

■ 51.7167, 58.2754,
67.1702

■ 58.5505, 68.2752,
80.7559

Harmonies

Analogous

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



22.4706, 13.5019, 15.3354



21.1189, 13.5019, 6.3435



17.4355, 13.5019, 2.6180

Triad

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



21.1189, 13.5019, 6.3435



7.2072, 13.5019, 5.7450



12.6161, 13.5019, 50.9423

Complementary

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



21.1189, 13.5019, 6.3435



26.0693, 36.1425, 47.7215

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.



9.1216, 13.5019, 43.6596



21.1189, 13.5019, 6.3435



6.4409, 13.5019, 14.0849

Square

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



21.1189, 13.5019, 6.3435



9.4261, 13.5019, 2.4251



7.0596, 13.5019, 28.3254



16.9757, 13.5019, 44.9642

Rectangle

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



21.1189, 13.5019, 6.3435



14.4870, 13.5019, 1.8050



7.0596, 13.5019, 28.3254



11.3102, 13.5019, 49.9132

Sweetspot

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



21.1192, 13.5027, 6.3437



60.3431, 56.7439, 55.3269



28.2293, 16.3461, 43.7866



12.9191, 11.9132, 11.3632



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.



21.1192, 13.5027, 6.3437



35.2367, 20.0058, 5.4175



26.1228, 23.5099, 8.0116



8.4964, 8.5053, 8.8464



13.1370, 6.7725, 0.6148



0.4134, 0.2131, 0.0193

Inverse Universe

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



26.0693, 36.1425, 47.7215



44.9283, 64.3318, 86.4305



16.9876, 17.9791, 44.6943



8.7426, 9.6315, 10.9046



17.1396, 25.0796, 34.0745



0.5393, 0.7891, 1.0721

Previews

White Background



This preview shows how the XYZ color 21.1189, 13.5019, 6.3435 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 21.1189, 13.5019, 6.3435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

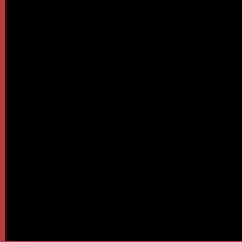
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 21.1189, 13.5019, 6.3435

Background



This preview shows how black text looks on a background with the XYZ color 21.1189, 13.5019, 6.3435.



This preview shows how white text looks on a background with the XYZ color 21.1189, 13.5019,

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

21.1189, 13.5019, 6.3435

Protanopia

12.8538, 13.6592, 9.5484

Deuteranopia

13.8297, 13.6648, 5.9116



Tritanopia

21.2066, 13.5370, 6.8054

Trichromacy



Original Color

21.1189, 13.5019, 6.3435

Protanomaly

14.8001, 12.7901, 8.1672

Deuteranomaly

15.8205, 13.0016, 5.9507

Tritanomaly

21.1769, 13.5251, 6.6487

Monochromacy



Original Color

21.1189, 13.5019, 6.3435

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

13.7599, 11.8395, 10.3641

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1189, 13.5019, 6.3435 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, 64, 64)` looks like.

```
.text, #text, p{  
    color:rgb(178, 64, 64)  
}
```

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, 64, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 64, 64) }
```

Border

The CSS property to change the border of an element to XYZ 21.1189, 13.5019, 6.3435 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, 64, 64) }
```


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

```
.border{ border-color:rgb(178, 64, 64) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 64, 64)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 64, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 64, 64);  
box-shadow:4px 4px 4px 4px rgb(178, 64,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1189, 13.5019, 6.3435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 64, 64) }
```

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

```
.background{ background-color: rgb(178, 64,  
64) }
```

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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