

Converting Colors

XYZ(39.9448, 21.3200, 5.6243)

Have a look what the booklet for
XYZ(39.9448, 21.3200, 5.6243)
contains.

XYZ(39.9448, 21.3200, 5.6243)	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(39.9448, 21.3200,
5.6243)**

Conversions

Conversions Part 1

Format	Color
Hex	F82137
RGB	248, 33, 55
RGB Percent	97%, 13%, 22%
CMY	0.0275, 0.8705, 0.7843
CMYK	0.00, 0.87, 0.78, 0.03
HSL	354°, 94%, 55%
HSV	354°, 87%, 97%
XYZ	39.9448, 21.3200, 5.6243
YIQ	99.7930, 121.0780, 52.4220

Conversions

Conversions Part 2

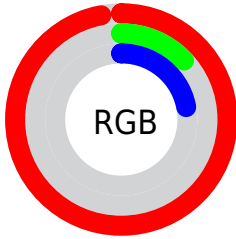
Format	Color
R_{YB}	248, 33, 55
Decimal	16261431
CIE _{Lab}	53.30, 75.82, 44.99
CIE _{LCh}	53, 88.169, 30.685
Yxy	21.3200, 0.5972, 0.3187
Android (android.graphics.Color)	4294451511 (0xFFFF82137)
YUV	99.7930, -22.0829, 129.9775
Hunter-Lab	46.1736, 73.6167, 25.0995

Details

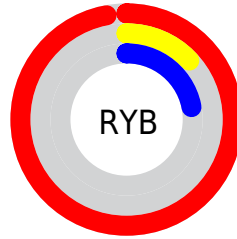
The XYZ color **39.9448, 21.3200, 5.6243** is a dark color, and the websafe version is hex **FF0033**. The color can be described as dark washed red. A complement of this color would be **47.9261, 72.9504, 83.5246**, and the grayscale version is **12.0966, 12.7265, 13.8592**.

A 20% lighter version of the original color is **48.7398, 32.3424, 16.5058**, and **19.3578, 9.9716, 1.2523** is the 20% darker color. If you saturate the color by 10%, you get **39.0712, 20.2432, 3.2676**, and if you desaturate by 10%, it is **41.5644, 23.5046, 9.4166**.

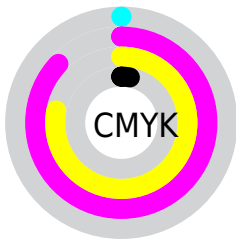
Distribution



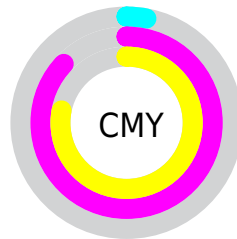
- Red (97%)
- Green (13%)
- Blue (22%)



- Red (97%)
- Yellow (13%)
- Blue (22%)



- Cyan (0%)
- Magenta (87%)
- Yellow (78%)
- Black (3%)





- Cyan (3%)
- Magenta (87%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9448, 21.3200, 5.6243 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 39.9448, 21.3200, 5.6243 by changing the saturation by 10% instead.

 39.9448, 21.3200,
5.6243


 39.9448, 21.3200,
5.6243


337.0293,
258.9743, 164.8576


 27.6795, 13.3581,
2.5529

 74.3643, 45.6195,
17.6100


 18.2234, 7.6756,
0.8680


 97.2493, 62.7259,
27.3614

 11.2112, 3.8881,
0.0000


 124.4049, 83.6493,
40.1765

 6.2774, 1.6112,
0.0000

 156.1964,
108.7740, 56.4740

 3.0567, 0.3651,
0.0000

 192.9892,
138.4844, 76.6723

 1.1838, 0.0000,
0.0000

 235.1488,

 0.0936, 0.0000,

173.1650, 101.1899

0.0000

283.0403,
213.2002, 130.4455

■ 0.0000, 0.0000,
0.0000

■ 39.9448, 21.3200,
5.6243

■ 39.9448, 21.3200,
5.6243

■ 39.0712, 20.2432,
3.2676

■ 41.5644, 23.5046,
9.4166


■ 38.8903, 20.0280,
2.7556


■ 44.0534, 26.9969,
14.8269


■ 47.5135, 31.9609,
22.0108


■ 52.0318, 38.5358,
31.1056

■ 57.6853, 46.8443,
42.2346

 64.5444, 56.9975,
55.5111

 72.6732, 69.0970,
71.0397

 82.1316, 83.2371,
88.9184

 92.5211, 98.6963,
108.7816

Harmonies

Analogous

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



44.0243, 21.3200, 22.6046



39.9448, 21.3200, 5.6243



30.3806, 21.3200, 1.0523

Triad

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



39.9448, 21.3200, 5.6243



8.2990, 21.3200, 6.0483



20.4794, 21.3200, 121.8472

Complementary

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



39.9448, 21.3200, 5.6243



47.9261, 72.9504, 83.5246

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.



12.6869, 21.3200, 103.0419



39.9448, 21.3200, 5.6243



7.0958, 21.3200, 23.8340

Square

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



39.9448, 21.3200, 5.6243



12.4167, 21.3200, 1.1324



8.4180, 21.3200, 60.5566



30.8702, 21.3200, 101.3906

Rectangle

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



39.9448, 21.3200, 5.6243



23.3094, 21.3200, 0.3416



8.4180, 21.3200, 60.5566



17.4961, 21.3200, 119.8230

Sweetspot

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



39.9453, 21.3213, 5.6246



69.2775, 61.4880, 60.1300



47.8942, 23.5416, 90.8258



14.2472, 12.2988, 11.7517



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



39.9453, 21.3213, 5.6246



41.4272, 21.3349, 2.9157



45.1662, 32.4267, 5.3193



17.3167, 17.2540, 18.2575



21.0319, 10.8285, 1.6107



1.9711, 1.0122, 0.2711

Inverse Universe

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



39.9453, 21.3213, 5.6246



41.4272, 21.3349, 2.9157



31.1336, 34.2258, 93.7715



17.3167, 17.2540, 18.2575



21.0319, 10.8285, 1.6107



1.9711, 1.0122, 0.2711

Previews

White Background



This preview shows how the XYZ color 39.9448, 21.3200, 5.6243 looks on a white 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

Black Background



This preview shows how the XYZ color 39.9448, 21.3200, 5.6243 looks on a black 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

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

XYZ 39.9448, 21.3200, 5.6243

Background



This preview shows how black text looks on a background with the XYZ color 39.9448, 21.3200, 5.6243.



This preview shows how white text looks on a background with the XYZ color 39.9448, 21.3200,

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

39.9448, 21.3200, 5.6243

Protanopia

19.8896, 21.5365, 11.0913

Deuteranopia

21.7008, 21.2948, 4.8860



Tritanopia

39.6617, 21.3951, 3.5526

Trichromacy



Original Color

39.9448, 21.3200, 5.6243

Protanomaly

23.6745, 17.8803, 8.3344

Deuteranomaly

25.7843, 18.5407, 4.7024

Tritanomaly

39.7602, 21.3854, 4.2227

Monochromacy



Original Color

39.9448, 21.3200, 5.6243

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

17.5111, 12.6790, 9.9119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9448, 21.3200, 5.6243 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(248, 33, 55)` looks like.

```
.text, #text, p{  
    color:rgb(248, 33, 55)  
}
```

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(248, 33, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 33, 55) }
```

Border

The CSS property to change the border of an element to XYZ 39.9448, 21.3200, 5.6243 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(248, 33, 55) }
```


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

```
.border{ border-color:rgb(248, 33, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 33, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 33, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 33, 55);  
box-shadow:4px 4px 4px 4px rgb(248, 33,  
55) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9448, 21.3200, 5.6243 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 33, 55) }
```

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

```
.background{ background-color: rgb(248, 33,  
55) }
```

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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