

Converting Colors

XYZ(33.3426, 19.9693, 9.1344)

Have a look what the booklet for
XYZ(33.3426, 19.9693, 9.1344)
contains.

XYZ(33.4709, 20.0797, 9.1328)	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(33.4709, 20.0797,
9.1328)**

Conversions

Conversions Part 1

Format	Color
Hex	DE434D
RGB	222, 67, 77
RGB Percent	87%, 26%, 30%
CMY	0.1294, 0.7372, 0.6980
CMYK	0.00, 0.70, 0.65, 0.13
HSL	356°, 70%, 57%
HSV	356°, 70%, 87%
XYZ	33.4709, 20.0797, 9.1328
YIQ	114.4850, 89.1700, 35.9700

Conversions

Conversions Part 2

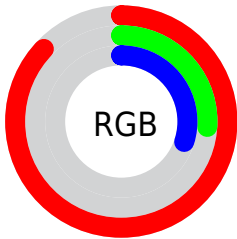
Format	Color
R_{YB}	222, 67, 77
Decimal	14566221
CIE Lab	51.93, 60.30, 29.57
CIE LCh	52, 67.155, 26.123
Yxy	20.0797, 0.5340, 0.3203
Android (android.graphics.Color)	4292756301 (0xFFDE434D)
YUV	114.4850, -18.4801, 94.2907
Hunter-Lab	44.8104, 54.9116, 19.2834

Details

The XYZ color **33.4709, 20.0797, 9.1328** is a dark color, and the websafe version is hex **CC3333**. The color can be described as dark muted red. A complement of this color would be **40.3214, 58.1899, 71.4001**, and the grayscale version is **16.1763, 17.0187, 18.5334**.

A 20% lighter version of the original color is **52.2135, 37.1817, 24.1635**, and **14.7717, 7.5834, 2.1240** is the 20% darker color. If you saturate the color by 10%, you get **31.7747, 17.6796, 5.5089**, and if you desaturate by 10%, it is **35.9077, 23.5868, 14.1584**.

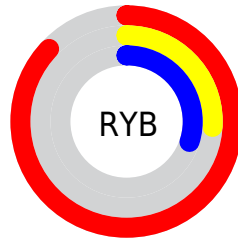
Distribution



Red (87%)

Green (26%)

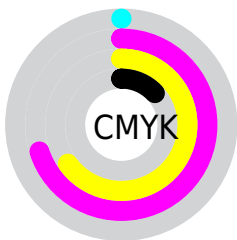
Blue (30%)



Red (87%)

Yellow (26%)

Blue (30%)

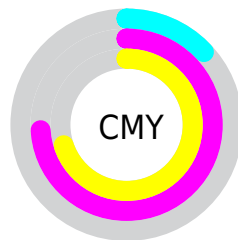


Cyan (0%)

Magenta (70%)

Yellow (65%)

Black (13%)



Cyan (13%)


Magenta (74%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4709, 20.0797, 9.1328 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 33.4709, 20.0797, 9.1328 by changing the saturation by 10% instead.

 33.4709, 20.0797,
9.1328


 33.4709, 20.0797,
9.1328


309.3939,
252.3463, 194.6199


 22.6484, 12.4530,
4.7299


 64.4598, 43.5508,
24.7329

 14.4534, 7.0530,
2.0337


 85.3569, 60.1639,
36.7671

 8.5205, 3.4953,
0.5759


 110.3429, 80.5413,
52.1823

 4.4843, 1.3954,
0.0000

 139.7832,
105.0674, 71.3968

 1.9796, 0.2134,
0.0000

 174.0430,
134.1265, 94.8293

 0.6225, 0.0000,
0.0000

213.4879,

 0.0000, 0.0000,

168.1031, 122.8983

0.0000

258.4831,
207.3816, 156.0223

■ 33.4709, 20.0797,
9.1328

■ 33.4709, 20.0797,
9.1328

■ 31.7747, 17.6796,
5.5089

■ 35.9077, 23.5868,
14.1584

■ 30.7330, 16.2511,
3.1433

■ 39.1554, 28.3090,
20.7082


■ 30.2125, 15.5720,
1.8539


■ 43.2780, 34.3452,
28.8923


■ 30.2054, 15.5621,
1.8383


■ 48.3325, 41.7835,
38.8104

■ 54.3711, 50.7041,
50.5542

 61.4420, 61.1814,
64.2089

 69.5906, 73.2846,
79.8545

 78.8592, 87.0788,
97.5663

 83.9340, 94.2695,
108.3798

Harmonies

Analogous

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



35.4144, 20.0797, 24.5064



33.4709, 20.0797, 9.1328



27.3811, 20.0797, 3.1445

Triad

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



33.4709, 20.0797, 9.1328



10.1267, 20.0797, 6.8858



18.2108, 20.0797, 84.9485

Complementary

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



33.4709, 20.0797, 9.1328



40.3214, 58.1899, 71.4001

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.



12.6610, 20.0797, 70.3125



33.4709, 20.0797, 9.1328



8.7525, 20.0797, 19.4175

Square

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



33.4709, 20.0797, 9.1328



13.8673, 20.0797, 2.4968



9.5557, 20.0797, 42.9555



25.4708, 20.0797, 76.0003

Rectangle

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



33.4709, 20.0797, 9.1328



22.4113, 20.0797, 1.9050



9.5557, 20.0797, 42.9555



16.1055, 20.0797, 82.4725

Sweetspot

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



33.4714, 20.0809, 9.1331



73.2393, 67.6464, 66.8923



42.2479, 23.2370, 71.3653



15.1653, 13.7238, 13.3258



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.



33.4714, 20.0809, 9.1331



42.7062, 23.1042, 5.7739



39.6864, 33.0327, 9.5961



13.7429, 13.7148, 14.4162



17.9556, 9.2492, 1.1660



1.2574, 0.6462, 0.1481

Inverse Universe

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



33.4714, 20.0809, 9.1331



42.7062, 23.1042, 5.7739



27.1945, 29.8562, 73.4364



13.7429, 13.7148, 14.4162



17.9556, 9.2492, 1.1660



1.2574, 0.6462, 0.1481

Previews

White Background



This preview shows how the XYZ color 33.4709, 20.0797, 9.1328 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 33.4709, 20.0797, 9.1328 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 33.4709, 20.0797, 9.1328

Background



This preview shows how black text looks on a background with the XYZ color 33.4709, 20.0797, 9.1328.



This preview shows how white text looks on a background with the XYZ color 33.4709, 20.0797,

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

33.4709, 20.0797, 9.1328

Protanopia

19.0236, 20.2409, 14.9608

Deuteranopia

20.6199, 20.2987, 8.4615



Tritanopia

33.3287, 20.1188, 8.0879

Trichromacy



Original Color

33.4709, 20.0797, 9.1328

Protanomaly

22.2991, 18.4725, 12.5155

Deuteranomaly

23.8583, 18.9293, 8.5271

Tritanomaly

33.3939, 20.1449, 8.4316

Monochromacy



Original Color

33.4709, 20.0797, 9.1328

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

19.7605, 16.2613, 14.4092

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4709, 20.0797, 9.1328 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(222, 67, 77)` looks like.

```
.text, #text, p{  
    color:rgb(222, 67, 77)  
}
```

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(222, 67, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 67, 77) }
```

Border

The CSS property to change the border of an element to XYZ 33.4709, 20.0797, 9.1328 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(222, 67, 77) }
```


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

```
.border{ border-color:rgb(222, 67, 77) }
```

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

Here you see how a box with a 4 pixel rgb(222, 67, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 67, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 67, 77);  
box-shadow:4px 4px 4px 4px rgb(222, 67,  
77) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4709, 20.0797, 9.1328 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 67, 77) }
```

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

```
.background{ background-color: rgb(222, 67,  
77) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor