

Converting Colors

XYZ(34.7843, 20.8930, 7.6824)

Have a look what the booklet for
XYZ(34.7843, 20.8930, 7.6824)
contains.

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Color

**XYZ(34.7891, 20.8825,
7.6660)**

Conversions

Conversions Part 1

Format	Color
Hex	E34444
RGB	227, 68, 68
RGB Percent	89%, 27%, 27%
CMY	0.1098, 0.7333, 0.7333
CMYK	0.00, 0.70, 0.70, 0.11
HSL	0°, 74%, 58%
HSV	0°, 70%, 89%
XYZ	34.7891, 20.8825, 7.6660
YIQ	115.5410, 94.7640, 33.7080

Conversions

Conversions Part 2

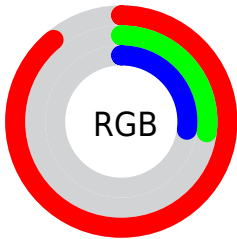
Format	Color
R _Y B	227, 68, 68
Decimal	14894148
CIE Lab	52.82, 61.02, 36.07
CIE LCh	53, 70.885, 30.589
Yxy	20.8825, 0.5493, 0.3297
Android (android.graphics.Color)	4293084228 (0xFFE34444)
YUV	115.5410, -23.4377, 97.7495
Hunter-Lab	45.6974, 55.9204, 22.0419

Details

The XYZ color **34.7891, 20.8825, 7.6660** 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 **43.7152, 61.7074, 82.2794**, and the grayscale version is **16.5104, 17.3702, 18.9162**.

A 20% lighter version of the original color is **51.9117, 37.4661, 21.3252**, and **15.4747, 7.9585, 1.5847** is the 20% darker color. If you saturate the color by 10%, you get **33.1082, 18.4233, 4.3242**, and if you desaturate by 10%, it is **37.2701, 24.5136, 12.5972**.

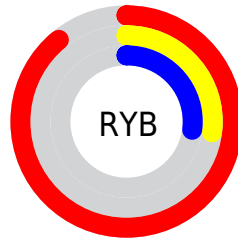
Distribution



Red (89%)

Green (27%)

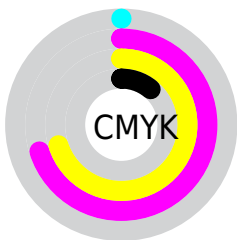
Blue (27%)



Red (89%)

Yellow (27%)

Blue (27%)

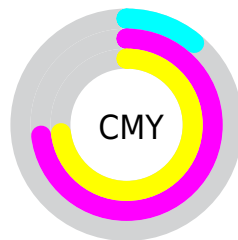


Cyan (0%)

Magenta (70%)

Yellow (70%)

Black (11%)



Cyan (11%)


Magenta (73%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.7891, 20.8825, 7.6660 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 34.7891, 20.8825, 7.6660 by changing the saturation by 10% instead.


 34.7891, 20.8825,
7.6660


 34.7891, 20.8825,
7.6660


315.1608,
256.6534, 182.9240


 23.6662, 13.0381,
3.7973


 66.4951, 44.8919,
21.8363

 15.2096, 7.4548,
1.5148


 87.8089, 61.8257,
32.9749

 9.0539, 3.7481,
0.2289


 113.2504, 82.5582,
47.3740

 4.8337, 1.5337,
0.0000

 143.1850,
107.4736, 65.4519

 2.1838, 0.3123,
0.0000

 177.9780,
136.9565, 87.6274

 0.7342, 0.0000,
0.0000

217.9947,

 0.0000, 0.0000,

171.3911, 114.3188

0.0000

263.6005,
211.1620, 145.9449

■ 34.7891, 20.8825,
7.6660

■ 34.7891, 20.8825,
7.6660

■ 33.1082, 18.4233,
4.3242

■ 37.2701, 24.5136,
12.5972

■ 32.1279, 16.9886,
2.3756


■ 40.6324, 29.4336,
19.2810


■ 31.6785, 16.3311,
1.4826


■ 44.9486, 35.7495,
27.8614


■ 50.2837, 43.5563,
38.4672

■ 56.6968, 52.9404,
51.2161

 64.2424, 63.9819,
66.2167

 72.9716, 76.7551,
83.5702

 82.9322, 91.3301,
103.3718

 85.4884, 95.0708,
108.4525

Harmonies

Analogous

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



37.7465, 20.8825, 22.3211



34.7891, 20.8825, 7.6660



27.6874, 20.8825, 2.5083

Triad

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



34.7891, 20.8825, 7.6660



9.8544, 20.8825, 8.0229



19.9948, 20.8825, 92.6730

Complementary

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



34.7891, 20.8825, 7.6660



43.7152, 61.7074, 82.2794

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.



13.6488, 20.8825, 79.9132



34.7891, 20.8825, 7.6660



8.7492, 20.8825, 23.1590

Square

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



34.7891, 20.8825, 7.6660



13.4523, 20.8825, 2.6059



9.9464, 20.8825, 50.4169



28.0050, 20.8825, 78.9486

Rectangle

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



34.7891, 20.8825, 7.6660



22.2669, 20.8825, 1.5745



9.9464, 20.8825, 50.4169



17.6113, 20.8825, 91.2861

Sweetspot

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



34.7896, 20.8837, 7.6663



72.8281, 67.4832, 64.7234



47.6106, 26.0112, 75.1840



15.0701, 13.6860, 12.8234



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.



34.7896, 20.8837, 7.6663



42.4233, 22.9917, 4.2815



43.2335, 37.7715, 10.4810



14.3771, 14.3682, 14.9200



18.4752, 9.5245, 0.8647



1.3653, 0.7039, 0.0639

Inverse Universe

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



43.7152, 61.7074, 82.2794



54.7122, 79.1987, 107.0110



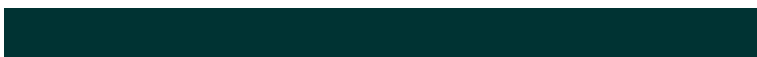
26.7607, 27.7983, 76.6278



14.8074, 16.3363, 18.5171



24.1040, 35.2701, 47.9206



1.7812, 2.6064, 3.5412

Previews

White Background



This preview shows how the XYZ color 34.7891, 20.8825, 7.6660 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 34.7891, 20.8825, 7.6660 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 34.7891, 20.8825, 7.6660

Background



This preview shows how black text looks on a background with the XYZ color 34.7891, 20.8825, 7.6660.



This preview shows how white text looks on a background with the XYZ color 34.7891, 20.8825,

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

34.7891, 20.8825, 7.6660

Protanopia

19.5806, 20.9613, 12.4651

Deuteranopia

21.2162, 20.8166, 7.0375



Tritanopia

34.8830, 20.9201, 8.1607

Trichromacy



Original Color

34.7891, 20.8825, 7.6660

Protanomaly

23.1143, 19.2433, 10.2806

Deuteranomaly

24.8146, 19.6002, 7.0328

Tritanomaly

34.8512, 20.9073, 7.9930

Monochromacy



Original Color

34.7891, 20.8825, 7.6660

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

20.4243, 16.8925, 13.9885

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.7891, 20.8825, 7.6660 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(227, 68, 68)` looks like.

```
.text, #text, p{  
    color:rgb(227, 68, 68)  
}
```

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(227, 68, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 68, 68) }
```

Border

The CSS property to change the border of an element to XYZ 34.7891, 20.8825, 7.6660 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(227, 68, 68) }
```


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

```
.border{ border-color:rgb(227, 68, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 68, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 68, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 68, 68);  
box-shadow:4px 4px 4px 4px rgb(227, 68,  
68) }
```

Background

The CSS property to change the background color of an element to XYZ 34.7891, 20.8825, 7.6660 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 68, 68) }
```

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

```
.background{ background-color: rgb(227, 68,  
68) }
```

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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