

Converting Colors

XYZ(32.0404, 17.7495, 4.0228)

Have a look what the booklet for
XYZ(32.0404, 17.7495, 4.0228)
contains.

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Color

**XYZ(32.0404, 17.7495,
4.0228)**

Conversions

Conversions Part 1

Format	Color
Hex	E02B2B
RGB	224, 43, 43
RGB Percent	88%, 17%, 17%
CMY	0.1216, 0.8313, 0.8314
CMYK	0.00, 0.81, 0.81, 0.12
HSL	0°, 74%, 52%
HSV	0°, 81%, 88%
XYZ	32.0404, 17.7495, 4.0228
YIQ	97.1190, 107.8760, 38.3720

Conversions

Conversions Part 2

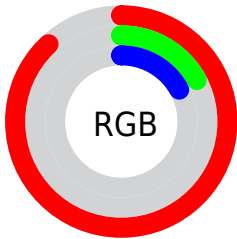
Format	Color
RYB	224, 43, 43
Decimal	14691115
CIELab	49.19, 66.99, 45.79
CIElCh	49, 81.139, 34.353
Yxy	17.7495, 0.5954, 0.3298
Android (android.graphics.Color)	4292881195 (0xFFE02B2B)
YUV	97.1190, -26.6807, 111.2746
Hunter-Lab	42.1302, 62.0232, 23.8298

Details

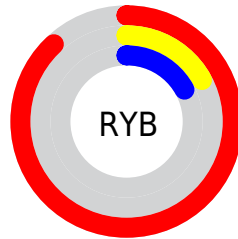
The XYZ color **32.0404, 17.7495, 4.0228** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **41.1018, 59.1975, 79.7804**, and the grayscale version is **11.4384, 12.0341, 13.1051**.

A 20% lighter version of the original color is **48.3432, 32.5136, 13.4006**, and **14.4972, 7.4736, 0.6785** is the 20% darker color. If you saturate the color by 10%, you get **31.1331, 16.4223, 2.2191**, and if you desaturate by 10%, it is **33.6202, 20.0619, 7.1625**.

Distribution



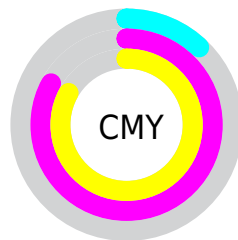
- Red (88%)
- Green (17%)
- Blue (17%)



- Red (88%)
- Yellow (17%)
- Blue (17%)



- Cyan (0%)
- Magenta (81%)
- Yellow (81%)
- Black (12%)





- Cyan (12%)
- Magenta (83%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0404, 17.7495, 4.0228 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 32.0404, 17.7495, 4.0228 by changing the saturation by 10% instead.


 32.0404, 17.7495,
4.0228


 32.0404, 17.7495,
4.0228


303.0453,
239.4553, 148.4785


 21.5481, 10.7703,
1.6379


 62.2392, 39.6100,
14.0623


 13.6399, 5.9126,
0.3176


 82.6763, 55.2601,
22.5540

 7.9507, 2.7920,
0.0000


 107.1591, 74.5693,
33.9183

 4.1149, 1.0241,
0.0000

 136.0529, 97.9220,
48.5738

 1.7674, 0.0000,
0.0000

 169.7231,
125.7025, 66.9390

 0.4979, 0.0000,
0.0000

 208.5350,

 0.0000, 0.0000,

158.2953, 89.4325

0.0000

252.8539,
196.0848, 116.4728

■ 32.0404, 17.7495,
4.0228

■ 32.0404, 17.7495,
4.0228

■ 31.1331, 16.4223,
2.2191

■ 33.6202, 20.0619,
7.1625


■ 30.7404, 15.8476,
1.4387


■ 35.9678, 23.4972,
11.8290


■ 39.1643, 28.1748,
18.1833


■ 43.2804, 34.1977,
26.3656

■ 48.3791, 41.6587,
36.5016

 54.5182, 50.6418,
48.7060

 61.7508, 61.2251,
63.0843

 70.1264, 73.4809,
79.7352

 79.6917, 87.4774,
98.7511

Harmonies

Analogous

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



36.0409, 17.7495, 16.3203



32.0404, 17.7495, 4.0228



24.0193, 17.7495, 0.8157

Triad

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



32.0404, 17.7495, 4.0228



6.8278, 17.7495, 6.2813



18.0041, 17.7495, 98.3076

Complementary

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



32.0404, 17.7495, 4.0228



41.1018, 59.1975, 79.7804

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.



11.3025, 17.7495, 86.9371



32.0404, 17.7495, 4.0228



6.0912, 17.7495, 22.6802

Square

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



32.0404, 17.7495, 4.0228



9.8944, 17.7495, 1.2746



7.4528, 17.7495, 53.8714



26.5338, 17.7495, 78.5645

Rectangle

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



32.0404, 17.7495, 4.0228



18.3497, 17.7495, 0.2843



7.4528, 17.7495, 53.8714



15.4728, 17.7495, 98.0642

Sweetspot

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



32.0408, 17.7506, 4.0231



70.2037, 63.6431, 59.5055



45.0586, 22.9568, 72.5767



14.3958, 12.6995, 11.4829



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.



32.0408, 17.7506, 4.0231



41.3652, 21.4433, 2.1785



39.6324, 32.9339, 6.5536



13.7074, 13.7007, 14.2288



17.8934, 9.2246, 0.8374



1.2403, 0.6395, 0.0581

Inverse Universe

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



41.1018, 59.1975, 79.7804



53.8986, 78.7751, 106.9721



22.9069, 22.8077, 73.7154



14.1165, 15.5722, 17.6494



23.3439, 34.1574, 46.4111



1.6181, 2.3677, 3.2170

Previews

White Background



This preview shows how the XYZ color 32.0404, 17.7495, 4.0228 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 32.0404, 17.7495, 4.0228 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 32.0404, 17.7495, 4.0228

Background



This preview shows how black text looks on a background with the XYZ color 32.0404, 17.7495, 4.0228.



This preview shows how white text looks on a background with the XYZ color 32.0404, 17.7495,

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

32.0404, 17.7495, 4.0228

Protanopia

16.5816, 18.0616, 7.3149

Deuteranopia

18.1934, 17.9588, 3.4848



Tritanopia

32.0404, 17.7495, 4.0228

Trichromacy



Original Color

32.0404, 17.7495, 4.0228

Protanomaly

19.7647, 15.6602, 5.7224

Deuteranomaly

21.5734, 16.1508, 3.3469

Tritanomaly

32.0404, 17.7495, 4.0228

Monochromacy



Original Color

32.0404, 17.7495, 4.0228

Achromatopsia

11.3621, 11.9538, 13.0177

Achromatomaly

15.3211, 11.6832, 8.4688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0404, 17.7495, 4.0228 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(224, 43, 43)` looks like.

```
.text, #text, p{  
    color:rgb(224, 43, 43)  
}
```

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(224, 43, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 43, 43) }
```

Border

The CSS property to change the border of an element to XYZ 32.0404, 17.7495, 4.0228 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(224, 43, 43) }
```


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

```
.border{ border-color:rgb(224, 43, 43) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 43, 43)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 43, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 43, 43);  
box-shadow:4px 4px 4px 4px rgb(224, 43,  
43) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0404, 17.7495, 4.0228 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 43, 43) }
```

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

```
.background{ background-color: rgb(224, 43,  
43) }
```

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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