

Converting Colors

XYZ(32.2303, 17.1347, 5.0317)

Have a look what the booklet for
XYZ(32.2303, 17.1347, 5.0317)
contains.

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Color

**XYZ(32.0859, 17.0485,
4.9677)**

Conversions

Conversions Part 1

Format	Color
Hex	E11B35
RGB	225, 27, 53
RGB Percent	88%, 11%, 21%
CMY	0.1176, 0.8940, 0.7922
CMYK	0.00, 0.88, 0.76, 0.12
HSL	352°, 79%, 49%
HSV	352°, 88%, 88%
XYZ	32.0859, 17.0485, 4.9677
YIQ	89.1660, 109.6620, 50.0620

Conversions

Conversions Part 2

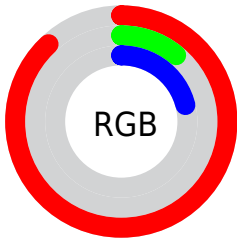
Format	Color
R_{YB}	225, 27, 53
Decimal	14752565
CIE Lab	48.32, 70.90, 39.43
CIE LCh	48, 81.129, 29.082
Yxy	17.0485, 0.5931, 0.3151
Android (android.graphics.Color)	4292942645 (0xFFE11B35)
YUV	89.1660, -17.8298, 119.1264
Hunter-Lab	41.2898, 66.4533, 21.7695

Details

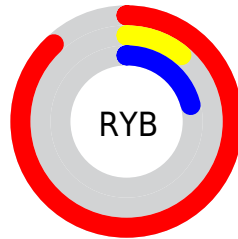
The XYZ color **32.0859, 17.0485, 4.9677** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **37.6895, 58.2082, 63.2973**, and the grayscale version is **9.5564, 10.0541, 10.9489**.

A 20% lighter version of the original color is **48.0021, 31.1038, 15.5302**, and **14.5520, 7.4955, 0.9670** is the 20% darker color. If you saturate the color by 10%, you get **31.3812, 16.2181, 2.9487**, and if you desaturate by 10%, it is **33.3593, 18.7234, 8.0808**.

Distribution



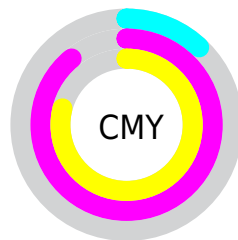
- Red (88%)
- Green (11%)
- Blue (21%)



- Red (88%)
- Yellow (11%)
- Blue (21%)



- Cyan (0%)
- Magenta (88%)
- Yellow (76%)
- Black (12%)





- Cyan (12%)
- Magenta (89%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.0859, 17.0485, 4.9677 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 32.0859, 17.0485, 4.9677 by changing the saturation by 10% instead.


 32.0859, 17.0485,
4.9677


 32.0859, 17.0485,
4.9677


303.2487,
235.4517, 158.4406


 21.5830, 10.2691,
2.1699


 62.3100, 38.4091,
16.1863


 13.6657, 5.5777,
0.6569


 82.7619, 53.7592,
25.4443

 7.9687, 2.5901,
0.0000


 107.2609, 72.7348,
37.6927

 4.1265, 0.9217,
0.0000

 136.1722, 95.7205,
53.3501

 1.7740, 0.0000,
0.0000

 169.8613,
123.1007, 72.8351

 0.5019, 0.0000,
0.0000

 208.6935,

 0.0000, 0.0000,

155.2597, 96.5661

0.0000

253.0342,
192.5819, 124.9618

■ 32.0859, 17.0485,
4.9677

■ 32.0859, 17.0485,
4.9677

■ 31.3812, 16.2181,
2.9487

■ 33.3593, 18.7234,
8.0808

■ 31.2794, 16.0987,
2.6551

■ 35.3062, 21.4200,
12.4209

■ 38.0056, 25.2687,
18.0998

■ 41.5252, 30.3800,
25.2164

■ 45.9249, 36.8513,
33.8601

■ 51.2590, 44.7705,
44.1132

■ 57.5774, 54.2179,
56.0517

■ 64.9265, 65.2682,
69.7472

■ 73.3495, 77.9909,
85.2668

Harmonies

Analogous

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



34.9947, 17.0485, 19.2234



32.0859, 17.0485, 4.9677



24.6671, 17.0485, 0.9586

Triad

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



32.0859, 17.0485, 4.9677



6.8077, 17.0485, 4.5128



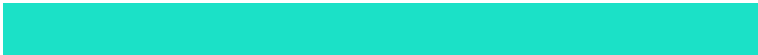
15.9772, 17.0485, 96.3576

Complementary

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



32.0859, 17.0485, 4.9677



37.6895, 58.2082, 63.2973

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.



9.9389, 17.0485, 80.0373



32.0859, 17.0485, 4.9677



5.7365, 17.0485, 17.9177

Square

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



32.0859, 17.0485, 4.9677



10.2267, 17.0485, 0.8678



6.6806, 17.0485, 46.2403



24.1483, 17.0485, 81.7792

Rectangle

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



32.0859, 17.0485, 4.9677



19.0505, 17.0485, 0.2553



6.6806, 17.0485, 46.2403



13.6563, 17.0485, 94.1791

Sweetspot

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



32.0863, 17.0496, 4.9679



69.4969, 61.5758, 61.2854



37.4310, 18.3092, 72.7949



14.2976, 12.3190, 12.0175



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.



32.0863, 17.0496, 4.9679



41.5209, 21.3724, 3.4094



35.7697, 25.1276, 4.0034



13.7801, 13.7297, 14.6120



18.0487, 9.2865, 1.6562



1.2751, 0.6533, 0.2414

Inverse Universe

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



32.0863, 17.0496, 4.9679



41.5209, 21.3724, 3.4094



25.3380, 28.2591, 75.3528



13.7801, 13.7297, 14.6120



18.0487, 9.2865, 1.6562



1.2751, 0.6533, 0.2414

Previews

White Background



This preview shows how the XYZ color 32.0859, 17.0485, 4.9677 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



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 32.0859, 17.0485, 4.9677

Background



This preview shows how black text looks on a background with the XYZ color 32.0859, 17.0485, 4.9677.



This preview shows how white text looks on a background with the XYZ color 32.0859, 17.0485,

4.9677.

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

32.0859, 17.0485, 4.9677

Protanopia

16.1141, 17.4153, 9.9093

Deuteranopia

17.6360, 17.3248, 4.4220



Tritanopia

31.4788, 16.9690, 2.7786

Trichromacy



Original Color

32.0859, 17.0485, 4.9677

Protanomaly

18.9738, 14.3599, 7.5661

Deuteranomaly

20.7979, 14.9255, 4.2674

Tritanomaly

31.5546, 16.9158, 3.4357

Monochromacy



Original Color

32.0859, 17.0485, 4.9677

Achromatopsia

9.4954, 9.9899, 10.8790

Achromatomaly

13.7340, 9.8215, 8.0094

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0859, 17.0485, 4.9677 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(225, 27, 53)` looks like.

```
.text, #text, p{  
    color:rgb(225, 27, 53)  
}
```

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(225, 27, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 27, 53) }
```

Border

The CSS property to change the border of an element to XYZ 32.0859, 17.0485, 4.9677 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(225, 27, 53) }
```


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

```
.border{ border-color:rgb(225, 27, 53) }
```

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

Here you see how a box with a 4 pixel rgb(225, 27, 53) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 27, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 27, 53);  
box-shadow:4px 4px 4px 4px rgb(225, 27,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0859, 17.0485, 4.9677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 27, 53) }
```

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

```
.background{ background-color: rgb(225, 27,  
53) }
```

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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