

Converting Colors

XYZ(32.6635, 17.2081, 3.6861)

Have a look what the booklet for
XYZ(32.6635, 17.2081, 3.6861)
contains.

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Color

**XYZ(32.6821, 17.2279,
3.7006)**

Conversions

Conversions Part 1

Format	Color
Hex	E41629
RGB	228, 22, 41
RGB Percent	89%, 9%, 16%
CMY	0.1059, 0.9136, 0.8392
CMYK	0.00, 0.90, 0.82, 0.11
HSL	354°, 82%, 49%
HSV	354°, 90%, 89%
XYZ	32.6821, 17.2279, 3.7006
YIQ	85.7600, 116.6770, 49.5810

Conversions

Conversions Part 2

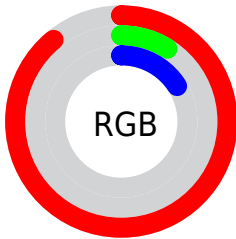
Format	Color
R_{YB}	228, 22, 41
Decimal	14947881
CIE Lab	48.55, 72.07, 46.50
CIE LCh	49, 85.774, 32.830
Yxy	17.2279, 0.6096, 0.3214
Android (android.graphics.Color)	4293137961 (0xFFE41629)
YUV	85.7600, -22.0667, 124.7445
Hunter-Lab	41.5065, 67.9140, 23.7684

Details

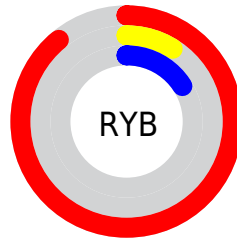
The XYZ color **32.6821, 17.2279, 3.7006** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **39.5871, 60.2623, 69.8864**, and the grayscale version is **8.8258, 9.2854, 10.1118**.

A 20% lighter version of the original color is **47.2761, 30.5140, 12.6306**, and **15.1043, 7.7865, 0.7069** is the 20% darker color. If you saturate the color by 10%, you get **32.1301, 16.5480, 2.2100**, and if you desaturate by 10%, it is **33.7880, 18.7023, 6.3436**.

Distribution



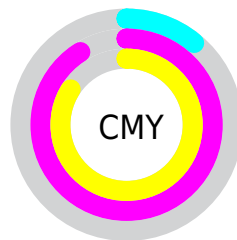
- Red (89%)
- Green (9%)
- Blue (16%)



- Red (89%)
- Yellow (9%)
- Blue (16%)



- Cyan (0%)
- Magenta (90%)
- Yellow (82%)
- Black (11%)





- Cyan (11%)
- Magenta (91%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.6821, 17.2279, 3.7006 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 32.6821, 17.2279, 3.7006 by changing the saturation by 10% instead.


 32.6821, 17.2279,
3.7006


 32.6821, 17.2279,
3.7006


305.9052,
236.4823, 144.8370


 22.0411, 10.3971,
1.4626


 63.2369, 38.7172,
13.3131


 14.0039, 5.6630,
0.1898


 83.8814, 54.1445,
21.5248


 8.2051, 2.6413,
0.0000


 108.5911, 73.2061,
32.5646

 4.2794, 0.9475,
0.0000

 137.7314, 96.2864,
46.8513

 1.8614, 0.0000,
0.0000

 171.6676,
123.7697, 64.8034

 0.5542, 0.0000,
0.0000

 210.7650,

 0.0000, 0.0000,

156.0406, 86.8393

0.0000

255.3891,
193.4833, 113.3777

■ 32.6821, 17.2279,
3.7006

■ 32.6821, 17.2279,
3.7006

■ 32.1301, 16.5480,
2.2100

■ 33.7880, 18.7023,
6.3436

■ 35.5779, 21.1989,
10.2795

■ 38.1406, 24.8604,
15.6468

■ 41.5511, 29.8059,
22.5660

■ 45.8756, 36.1399,
31.1445

■ 51.1736, 43.9559,
41.4805

■ 57.4996, 53.3397,
53.6643

■ 64.9039, 64.3701,
67.7801

■ 73.4337, 77.1210,
83.9068

Harmonies

Analogous

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



36.6369, 17.2279, 16.6973



32.6821, 17.2279, 3.7006



24.3095, 17.2279, 0.5167

Triad

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



32.6821, 17.2279, 3.7006



6.2586, 17.2279, 5.1052



17.1338, 17.2279, 103.9857

Complementary

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



32.6821, 17.2279, 3.7006



39.5871, 60.2623, 69.8864

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.



10.3868, 17.2279, 89.8537



32.6821, 17.2279, 3.7006



5.4279, 17.2279, 20.9822

Square

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



32.6821, 17.2279, 3.7006



9.4598, 17.2279, 0.8128



6.6607, 17.2279, 53.4680



26.0342, 17.2279, 83.9049

Rectangle

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



32.6821, 17.2279, 3.7006



18.3386, 17.2279, 0.0000



6.6607, 17.2279, 53.4680



14.5561, 17.2279, 103.0916

Sweetspot

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



32.6825, 17.2290, 3.7008



68.3995, 60.2686, 58.1828



40.1358, 19.4999, 75.0468



14.0760, 12.0644, 11.3621



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.



32.6825, 17.2290, 3.7008



41.3996, 21.3238, 2.7702



37.1324, 26.5370, 3.9257



14.4306, 14.3894, 15.2021



18.5719, 9.5630, 1.3746



1.3910, 0.7141, 0.1994

Inverse Universe

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



32.6825, 17.2290, 3.7008



41.3996, 21.3238, 2.7702



24.5543, 26.2107, 77.1634



14.4306, 14.3894, 15.2021



18.5719, 9.5630, 1.3746



1.3910, 0.7141, 0.1994

Previews

White Background



This preview shows how the XYZ color 32.6821, 17.2279, 3.7006 looks on a white background.

Color Contrast Check

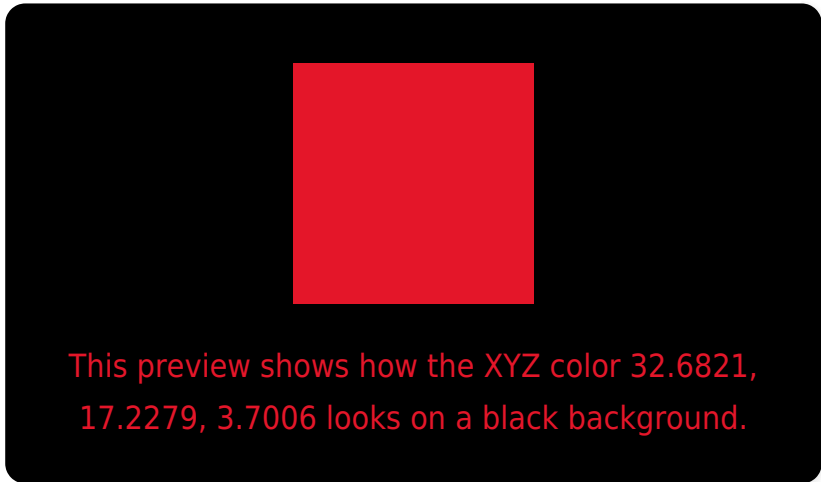
Large Text (above 18pt) WCAG AA ✓ Pass

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 32.6821, 17.2279, 3.7006

Background



This preview shows how black text looks on a background with the XYZ color 32.6821, 17.2279, 3.7006.



This preview shows how white text looks on a background with the XYZ color 32.6821, 17.2279,

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

32.6821, 17.2279, 3.7006

Protanopia

16.0729, 17.4501, 7.3716

Deuteranopia

17.7439, 17.4090, 3.1345



Tritanopia

32.4906, 17.2833, 2.2854

Trichromacy



Original Color

32.6821, 17.2279, 3.7006

Protanomaly

19.0409, 14.2126, 5.4811

Deuteranomaly

20.8385, 14.7627, 2.8498

Tritanomaly

32.5521, 17.2731, 2.7170

Monochromacy



Original Color

32.6821, 17.2279, 3.7006

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

13.3642, 9.4005, 6.9045

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.6821, 17.2279, 3.7006 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(228, 22, 41)` looks like.

```
.text, #text, p{  
    color:rgb(228, 22, 41)  
}
```

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(228, 22, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 22, 41) }
```

Border

The CSS property to change the border of an element to XYZ 32.6821, 17.2279, 3.7006 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(228, 22, 41) }
```


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

```
.border{ border-color:rgb(228, 22, 41) }
```

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

Here you see how a box with a 4 pixel rgb(228, 22, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 22, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 22, 41);  
box-shadow:4px 4px 4px 4px rgb(228, 22,  
41) }
```

Background

The CSS property to change the background color of an element to XYZ 32.6821, 17.2279, 3.7006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 22, 41) }
```

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

```
.background{ background-color: rgb(228, 22,  
41) }
```

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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