

Converting Colors

XYZ(32.7897, 18.2533, 4.2976)

Have a look what the booklet for
XYZ(32.7897, 18.2533, 4.2976)
contains.

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Color

**XYZ(32.7761, 18.2350,
4.2748)**

Conversions

Conversions Part 1

Format	Color
Hex	E22D2D
RGB	226, 45, 45
RGB Percent	89%, 18%, 18%
CMY	0.1137, 0.8235, 0.8235
CMYK	0.00, 0.80, 0.80, 0.11
HSL	0°, 76%, 53%
HSV	0°, 80%, 89%
XYZ	32.7761, 18.2350, 4.2748
YIQ	99.1190, 107.8760, 38.3720

Conversions

Conversions Part 2

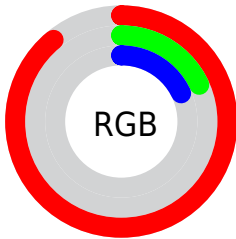
Format	Color
RYB	226, 45, 45
Decimal	14822701
CIELab	49.78, 67.09, 45.44
CIELCh	50, 81.030, 34.109
Yxy	18.2350, 0.5928, 0.3298
Android (android.graphics.Color)	4293012781 (0xFFE22D2D)
YUV	99.1190, -26.6807, 111.2746
Hunter-Lab	42.7025, 62.2777, 23.9564

Details

The XYZ color **32.7761, 18.2350, 4.2748** 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 **42.0014, 60.4325, 81.4020**, and the grayscale version is **11.9376, 12.5593, 13.6771**.

A 20% lighter version of the original color is **48.5343, 32.7578, 13.8901**, and **14.9003, 7.6814, 0.6973** is the 20% darker color. If you saturate the color by 10%, you get **31.8075, 16.8181, 2.3492**, and if you desaturate by 10%, it is **34.4389, 20.6689, 7.5794**.

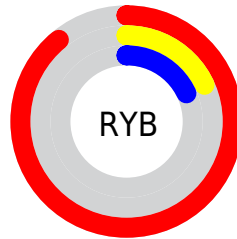
Distribution



Red (89%)

Green (18%)

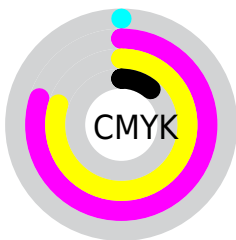
Blue (18%)



Red (89%)

Yellow (18%)

Blue (18%)

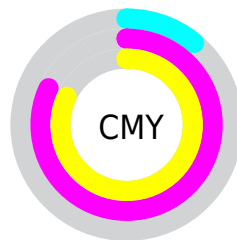


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (11%)



Cyan (11%)


Magenta (82%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.7761, 18.2350, 4.2748 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 32.7761, 18.2350, 4.2748 by changing the saturation by 10% instead.

 32.7761, 18.2350,
4.2748


 32.7761, 18.2350,
4.2748


306.3225,
242.1923, 151.2325


 22.1134, 11.1188,
1.7773


 63.3828, 40.4374,
14.6387


 14.0573, 6.1468,
0.4129


 84.0576, 56.2923,
23.3422


 8.2425, 2.9346,
0.0000


 108.8003, 75.8290,
34.9514


 4.3036, 1.0977,
0.0000

 137.9765, 99.4319,
49.8849

 1.8753, 0.0000,
0.0000

 171.9515,
127.4852, 68.5612

 0.5624, 0.0000,
0.0000

 211.0906,

 0.0000, 0.0000,

160.3735, 91.3989

0.0000

255.7591,
198.4810, 118.8165

■ 32.7761, 18.2350,
4.2748

■ 32.7761, 18.2350,
4.2748

■ 31.8075, 16.8181,
2.3492

■ 34.4389, 20.6689,
7.5794


■ 31.3640, 16.1691,
1.4679


■ 36.8919, 24.2584,
12.4555


■ 40.2172, 29.1243,
19.0657


■ 44.4862, 35.3712,
27.5523

■ 49.7633, 43.0930,
38.0427

 56.1068, 52.3753,
50.6534

 63.5708, 63.2973,
65.4919

 72.2058, 75.9325,
82.6583

 82.0590, 90.3504,
102.2468

Harmonies

Analogous

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



36.7795, 18.2350, 16.9592



32.7761, 18.2350, 4.2748



24.6639, 18.2350, 0.9040

Triad

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



32.7761, 18.2350, 4.2748



7.1062, 18.2350, 6.4664



18.4184, 18.2350, 99.7369

Complementary

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



32.7761, 18.2350, 4.2748



42.0014, 60.4325, 81.4020

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.



11.6192, 18.2350, 88.0197



32.7761, 18.2350, 4.2748



6.3339, 18.2350, 23.0626

Square

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



32.7761, 18.2350, 4.2748



10.2632, 18.2350, 1.3529



7.7101, 18.2350, 54.5571



27.0713, 18.2350, 80.0452

Rectangle

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



32.7761, 18.2350, 4.2748



18.9022, 18.2350, 0.3653



7.7101, 18.2350, 54.5571



15.8509, 18.2350, 99.3988

Sweetspot

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



32.7765, 18.2361, 4.2751



70.2037, 63.6431, 59.5055



46.0296, 23.5364, 74.0680



14.3958, 12.6994, 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.



32.7765, 18.2361, 4.2751



41.4068, 21.5042, 2.2613



40.5714, 33.8259, 6.8734



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.



42.0014, 60.4325, 81.4020



53.9308, 78.7921, 106.9737



23.5435, 23.5166, 75.2493



14.1165, 15.5722, 17.6494



23.3440, 34.1576, 46.4111



1.6181, 2.3677, 3.2170

Previews

White Background



This preview shows how the XYZ color 32.7761, 18.2350, 4.2748 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 32.7761, 18.2350, 4.2748 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 32.7761, 18.2350, 4.2748

Background



This preview shows how black text looks on a background with the XYZ color 32.7761, 18.2350, 4.2748.



This preview shows how white text looks on a background with the XYZ color 32.7761, 18.2350,

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

32.7761, 18.2350, 4.2748

Protanopia

16.9110, 18.4006, 7.6614

Deuteranopia

18.7046, 18.3830, 3.7248



Tritanopia

32.7761, 18.2350, 4.2748

Trichromacy



Original Color

32.7761, 18.2350, 4.2748

Protanomaly

20.3168, 16.0668, 6.0334

Deuteranomaly

22.1532, 16.5658, 3.6200

Tritanomaly

32.7761, 18.2350, 4.2748

Monochromacy



Original Color

32.7761, 18.2350, 4.2748

Achromatopsia

11.8596, 12.4772, 13.5877

Achromatomaly

15.8843, 12.1762, 8.9102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.7761, 18.2350, 4.2748 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(226, 45, 45)` looks like.

```
.text, #text, p{  
    color:rgb(226, 45, 45)  
}
```

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(226, 45, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 45, 45) }
```

Border

The CSS property to change the border of an element to XYZ 32.7761, 18.2350, 4.2748 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(226, 45, 45) }
```


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

```
.border{ border-color:rgb(226, 45, 45) }
```

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

Here you see how a box with a 4 pixel rgb(226, 45, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 45, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 45, 45);  
box-shadow:4px 4px 4px 4px rgb(226, 45,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 32.7761, 18.2350, 4.2748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 45, 45) }
```

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

```
.background{ background-color: rgb(226, 45,  
45) }
```

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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