

Converting Colors

XYZ(32.8395, 18.0840, 6.8097)

Have a look what the booklet for
XYZ(32.8395, 18.0840, 6.8097)
contains.

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Color

**XYZ(32.8693, 18.1170,
6.7655)**

Conversions

Conversions Part 1

Format	Color
Hex	E12B41
RGB	225, 43, 65
RGB Percent	88%, 17%, 25%
CMY	0.1177, 0.8313, 0.7451
CMYK	0.00, 0.81, 0.71, 0.12
HSL	353°, 75%, 53%
HSV	353°, 81%, 88%
XYZ	32.8693, 18.1170, 6.7655
YIQ	99.9260, 101.4100, 45.4260

Conversions

Conversions Part 2

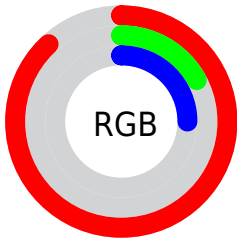
Format	Color
R _Y B	225, 43, 65
Decimal	14756673
CIE Lab	49.64, 68.04, 33.95
CIE LCh	50, 76.037, 26.521
Yxy	18.1170, 0.5691, 0.3137
Android (android.graphics.Color)	4292946753 (0xFFE12B41)
YUV	99.9260, -17.2185, 109.6899
Hunter-Lab	42.5641, 63.3561, 20.3708

Details

The XYZ color **32.8693, 18.1170, 6.7655** 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 **38.7035, 58.6765, 65.7962**, and the grayscale version is **12.1207, 12.7519, 13.8868**.

A 20% lighter version of the original color is **49.4783, 32.9676, 19.3784**, and **14.8526, 7.6389, 1.5023** is the 20% darker color. If you saturate the color by 10%, you get **31.7883, 16.7173, 4.0560**, and if you desaturate by 10%, it is **34.6023, 20.5001, 10.6822**.

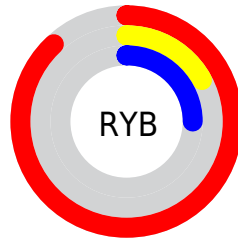
Distribution



Red (88%)

Green (17%)

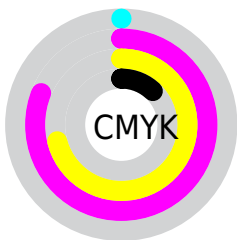
Blue (25%)



Red (88%)

Yellow (17%)

Blue (25%)

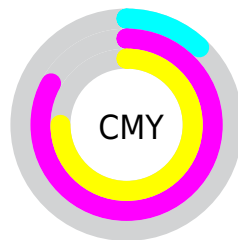


Cyan (0%)

Magenta (81%)

Yellow (71%)

Black (12%)



Cyan (12%)


Magenta (83%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.8693, 18.1170, 6.7655 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 32.8693, 18.1170, 6.7655 by changing the saturation by 10% instead.


 32.8693, 18.1170,
6.7655


 32.8693, 18.1170,
6.7655

306.7358,
241.5297, 175.2570

 22.1851, 11.0340,
3.2397


 63.5275, 40.2366,
20.0047


 14.1103, 6.0897,
1.2183


 84.2321, 56.0420,
30.5551


 8.2797, 2.8997,
0.0000


 109.0077, 75.5236,
44.2841


 4.3277, 1.0796,
0.0000

 138.2194, 99.0660,
61.6102

 1.8892, 0.0000,
0.0000

 172.2328,
127.0533, 82.9520

 0.5705, 0.0000,
0.0000

 211.4130,

 0.0000, 0.0000,

159.8701, 108.7281

0.0000

256.1256,
197.9008, 139.3569

■ 32.8693, 18.1170,
6.7655

■ 32.8693, 18.1170,
6.7655

■ 31.7883, 16.7173,
4.0560

■ 34.6023, 20.5001,
10.6822

■ 31.2510, 16.0874,
2.5058

■ 37.0697, 24.0007,
15.9263

■ 40.3430, 28.7353,
22.6039

■ 44.4848, 34.8048,
30.8104

■ 49.5514, 42.2998,
40.6325

■ 55.5944, 51.3029,
52.1508

■ 62.6614, 61.8904,
65.4402

■ 70.7972, 74.1334,
80.5712

■ 80.0436, 88.0988,
97.6105

Harmonies

Analogous

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



35.1280, 18.1170, 22.2387



32.8693, 18.1170, 6.7655



26.0699, 18.1170, 1.6755

Triad

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



32.8693, 18.1170, 6.7655



8.0413, 18.1170, 4.9176



16.3909, 18.1170, 91.9833

Complementary

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



32.8693, 18.1170, 6.7655



38.7035, 58.6765, 65.7962

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.



10.6403, 18.1170, 74.9502



32.8693, 18.1170, 6.7655



6.7467, 18.1170, 17.4107

Square

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



32.8693, 18.1170, 6.7655



11.7344, 18.1170, 1.2512



7.5448, 18.1170, 43.3409



24.1930, 18.1170, 80.9797

Rectangle

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



32.8693, 18.1170, 6.7655



20.6627, 18.1170, 0.8137



7.5448, 18.1170, 43.3409



14.1821, 18.1170, 89.1604

Sweetspot

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



32.8697, 18.1181, 6.7658



71.0526, 63.9807, 63.9819



38.4712, 19.5460, 72.9786



14.5928, 12.7778, 12.5217



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.



32.8697, 18.1181, 6.7658



41.6653, 21.5630, 3.7602



37.0358, 27.2787, 5.6005



13.7743, 13.7273, 14.5814



18.0309, 9.2794, 1.5626



1.2723, 0.6522, 0.2269

Inverse Universe

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



32.8697, 18.1181, 6.7658



41.6653, 21.5630, 3.7602



26.8609, 30.4970, 75.7043



13.7743, 13.7273, 14.5814



18.0309, 9.2794, 1.5626



1.2723, 0.6522, 0.2269

Previews

White Background



This preview shows how the XYZ color 32.8693, 18.1170, 6.7655 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 32.8693, 18.1170, 6.7655 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 32.8693, 18.1170, 6.7655

Background



This preview shows how black text looks on a background with the XYZ color 32.8693, 18.1170, 6.7655.



This preview shows how white text looks on a background with the XYZ color 32.8693, 18.1170,

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

32.8693, 18.1170, 6.7655

Protanopia

17.2375, 18.4610, 12.5523

Deuteranopia

18.6036, 18.2796, 6.0378



Tritanopia

32.2701, 18.0856, 4.4794

Trichromacy



Original Color

32.8693, 18.1170, 6.7655

Protanomaly

20.3683, 15.8779, 9.9739

Deuteranomaly

21.9326, 16.3989, 6.0123

Tritanomaly

32.3833, 18.0676, 5.2706

Monochromacy



Original Color

32.8693, 18.1170, 6.7655

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

16.1933, 12.2998, 10.5374

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8693, 18.1170, 6.7655 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, 43, 65)` looks like.

```
.text, #text, p{  
    color:rgb(225, 43, 65)  
}
```

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, 43, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 43, 65) }
```

Border

The CSS property to change the border of an element to XYZ 32.8693, 18.1170, 6.7655 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, 43, 65) }
```


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

```
.border{ border-color:rgb(225, 43, 65) }
```

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

Here you see how a box with a 4 pixel rgb(225, 43, 65) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 43, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 43, 65);  
box-shadow:4px 4px 4px 4px rgb(225, 43,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8693, 18.1170, 6.7655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 43, 65) }
```

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

```
.background{ background-color: rgb(225, 43,  
65) }
```

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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