

Converting Colors

XYZ(32.9045, 17.9247, 10.5884)

Have a look what the booklet for
XYZ(32.9045, 17.9247, 10.5884)
contains.

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Color

**XYZ(32.9041, 17.9457,
10.5337)**

Conversions

Conversions Part 1

Format	Color
Hex	DF2956
RGB	223, 41, 86
RGB Percent	87%, 16%, 34%
CMY	0.1255, 0.8392, 0.6627
CMYK	0.00, 0.82, 0.61, 0.13
HSL	345°, 74%, 52%
HSV	345°, 82%, 87%
XYZ	32.9041, 17.9457, 10.5337
YIQ	100.5480, 94.0270, 52.5790

Conversions

Conversions Part 2

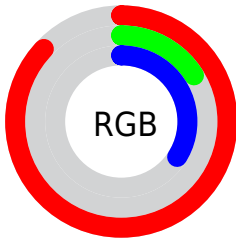
Format	Color
R_{YB}	223, 41, 86
Decimal	14625110
CIE _{Lab}	49.43, 69.05, 21.00
CIE _{LCh}	49, 72.176, 16.913
Yxy	17.9457, 0.5360, 0.2924
Android (android.graphics.Color)	4292815190 (0xFFDF2956)
YUV	100.5480, -7.1722, 107.3904
Hunter-Lab	42.3624, 64.5121, 14.9108

Details

The XYZ color **32.9041, 17.9457, 10.5337** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **35.3401, 56.4619, 51.1631**, and the grayscale version is **12.2560, 12.8943, 14.0419**.

A 20% lighter version of the original color is **50.7672, 33.3173, 26.6768**, and **14.9151, 7.6408, 2.8792** is the 20% darker color. If you saturate the color by 10%, you get **31.7402, 16.5764, 7.1916**, and if you desaturate by 10%, it is **34.6639, 20.2530, 14.8585**.

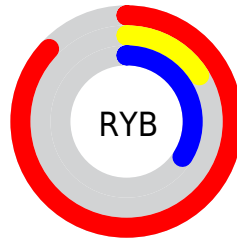
Distribution



Red (87%)

Green (16%)

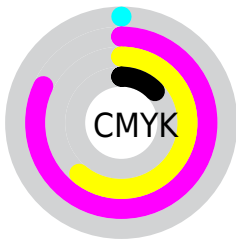
Blue (34%)



Red (87%)

Yellow (16%)

Blue (34%)

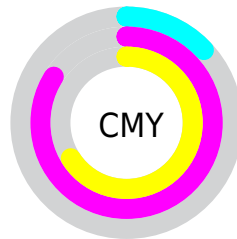


Cyan (0%)

Magenta (82%)

Yellow (61%)

Black (13%)



Cyan (13%)


Magenta (84%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 32.9041, 17.9457, 10.5337 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 32.9041, 17.9457, 10.5337 by changing the saturation by 10% instead.


 32.9041, 17.9457,
10.5337


 32.9041, 17.9457,
10.5337


306.8900,
240.5648, 205.0611


 22.2119, 10.9110,
5.6440


 63.5815, 39.9448,
27.4180


 14.1301, 6.0070,
2.5646


 84.2973, 55.6780,
40.2496


 8.2935, 2.8494,
0.8741


 109.0851, 75.0794,
56.5657

 4.3367, 1.0536,
0.0000

 138.3101, 98.5336,
76.7847

 1.8943, 0.0000,
0.0000

 172.3377,
126.4248, 101.3252

 0.5735, 0.0000,
0.0000

211.5334,

 0.0000, 0.0000,

159.1375, 130.6058

0.0000

256.2623,
197.0560, 165.0449

■ 32.9041, 17.9457,
10.5337

■ 32.9041, 17.9457,
10.5337

■ 31.7402, 16.5764,
7.1916

■ 34.6639, 20.2530,
14.8585

■ 31.1239, 15.9649,
5.0711


■ 37.0930, 23.6281,
20.2402


■ 40.2548, 28.1832,
26.7464


■ 44.2049, 34.0155,
34.4382

■ 48.9933, 41.2121,
43.3722

 54.6658, 49.8522,
53.6014

 61.2647, 60.0092,
65.1754

 68.8296, 71.7513,
78.1413

 77.3979, 85.1425,
92.5439

Harmonies

Analogous

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



33.2561, 17.9457, 29.3214



32.9041, 17.9457, 10.5337



27.6575, 17.9457, 2.9544

Triad

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



32.9041, 17.9457, 10.5337



9.1691, 17.9457, 3.4860



14.2602, 17.9457, 83.5646

Complementary

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



32.9041, 17.9457, 10.5337



35.3401, 56.4619, 51.1631

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.



9.5840, 17.9457, 61.7221



32.9041, 17.9457, 10.5337



7.2168, 17.9457, 12.2186

Square

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



32.9041, 17.9457, 10.5337



13.5237, 17.9457, 1.1402



7.3451, 17.9457, 32.6077



21.1574, 17.9457, 81.8685

Rectangle

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



32.9041, 17.9457, 10.5337



22.7245, 17.9457, 1.3610



7.3451, 17.9457, 32.6077



12.4199, 17.9457, 78.3305

Sweetspot

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



32.9045, 17.9468, 10.5340



71.9870, 64.3545, 68.9024



32.3591, 16.3210, 71.2566



14.8117, 12.8653, 13.6743



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.



32.9045, 17.9468, 10.5340



42.3047, 21.7744, 7.2634



34.2006, 22.5857, 4.6562



13.8455, 13.7558, 14.9565



18.3383, 9.4023, 3.1815



1.3065, 0.6659, 0.4067

Inverse Universe

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



32.9045, 17.9468, 10.5340



42.3047, 21.7744, 7.2634



30.0561, 37.4431, 75.4549



13.8455, 13.7558, 14.9565



18.3383, 9.4023, 3.1815



1.3065, 0.6659, 0.4067

Previews

White Background



This preview shows how the XYZ color 32.9041, 17.9457, 10.5337 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 32.9041, 17.9457, 10.5337 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 32.9041, 17.9457, 10.5337

Background



This preview shows how black text looks on a background with the XYZ color 32.9041, 17.9457, 10.5337.



This preview shows how white text looks on a background with the XYZ color 32.9041, 17.9457,

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

32.9041, 17.9457, 10.5337

Protanopia

17.5539, 18.2818, 20.0563

Deuteranopia

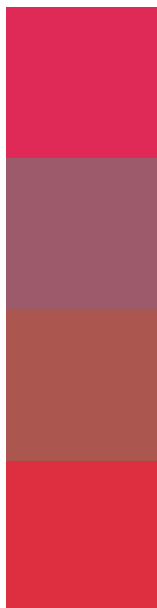
18.4000, 18.0969, 9.5444



Tritanopia

31.8623, 18.0498, 4.9366

Trichromacy



Original Color

32.9041, 17.9457, 10.5337

Protanomaly

20.2146, 15.5420, 15.8444

Deuteranomaly

21.6507, 16.0535, 9.5469

Tritanomaly

32.0661, 17.9328, 6.6218

Monochromacy



Original Color

32.9041, 17.9457, 10.5337

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

16.5844, 12.4562, 12.5965

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9041, 17.9457, 10.5337 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(223, 41, 86)` looks like.

```
.text, #text, p{  
    color:rgb(223, 41, 86)  
}
```

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(223, 41, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 41, 86) }
```

Border

The CSS property to change the border of an element to XYZ 32.9041, 17.9457, 10.5337 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(223, 41, 86) }
```


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

```
.border{ border-color:rgb(223, 41, 86) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 41, 86)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 41, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 41, 86);  
box-shadow:4px 4px 4px 4px rgb(223, 41,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9041, 17.9457, 10.5337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 41, 86) }
```

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

```
.background{ background-color: rgb(223, 41,  
86) }
```

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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