

Converting Colors

XYZ(16.9305, 32.2262, 7.2239)

Have a look what the booklet for
XYZ(16.9305, 32.2262, 7.2239)
contains.

XYZ(17.0142, 32.3623, 7.2693)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(17.0142, 32.3623,
7.2693)**

Conversions

Conversions Part 1

Format	Color
Hex	24B227
RGB	36, 178, 39
RGB Percent	14%, 70%, 15%
CMY	0.8588, 0.3019, 0.8470
CMYK	0.80, 0.00, 0.78, 0.30
HSL	121°, 66%, 42%
HSV	121°, 80%, 70%
XYZ	17.0142, 32.3623, 7.2693
YIQ	119.6960, -40.0130, -73.3330

Conversions

Conversions Part 2

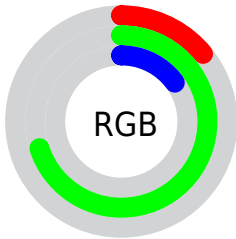
Format	Color
RYB	36, 175, 178
Decimal	2404903
CIELab	63.64, -61.49, 56.18
CIELCh	64, 83.288, 137.585
Yxy	32.3623, 0.3004, 0.5713
Android (android.graphics.Color)	4280594983 (0xFF24B227)
YUV	119.6960, -39.7831, -73.4014
Hunter-Lab	56.8879, -46.1674, 32.2453

Details

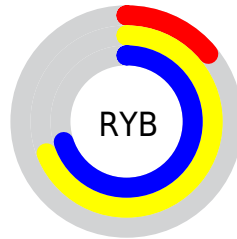
The XYZ color **17.0142, 32.3623, 7.2693** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **26.7296, 13.8224, 41.8163**, and the grayscale version is **17.8886, 18.8202, 20.4952**.

A 20% lighter version of the original color is **37.9582, 63.4310, 21.0693**, and **7.2077, 14.4153, 2.4026** is the 20% darker color. If you saturate the color by 10%, you get **16.3151, 32.0289, 6.0604**, and if you desaturate by 10%, it is **18.1561, 32.9106, 9.1922**.

Distribution



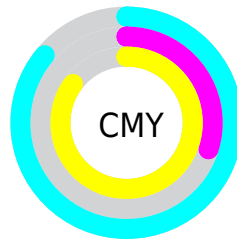
- Red (14%)
- Green (70%)
- Blue (15%)



- Red (14%)
- Yellow (69%)
- Blue (70%)



- Cyan (80%)
- Magenta (0%)
- Yellow (78%)
- Black (30%)





- Cyan (86%)
- Magenta (30%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.0142, 32.3623, 7.2693 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 17.0142, 32.3623, 7.2693 by changing the saturation by 10% instead.


 17.0142, 32.3623,
7.2693


 17.0142, 32.3623,
7.2693

228.4088,
312.7664, 179.5979


 10.3400, 21.6384,
3.5501


 37.8936, 63.3786,
21.0350


 5.6889, 13.5914,
1.3819


 52.8295, 84.4398,
31.9185

 2.6957, 7.8371,
0.1276


 71.2500, 109.7156,
46.0273

 0.9950, 3.9909,
0.0000

 93.5204, 139.5903,
63.7798

 0.0000, 1.6685,
0.0000

 120.0062,
174.4483, 85.5946

 0.0000, 0.4031,
0.0000

 151.0726,

 0.0000, 0.0000,

214.6741, 111.8901

0.0000

187.0850,
260.6519, 143.0851

■ 17.0142, 32.3623,
7.2693

■ 17.0142, 32.3623,
7.2693

■ 16.3151, 32.0289,
6.0604

■ 18.1561, 32.9106,
9.1922

■ 15.9488, 31.8537,
5.4272

■ 19.7951, 33.6970,
11.9136

■ 15.9416, 31.8503,
5.4156

■ 21.9800, 34.7460,
15.5086

■ 24.7532, 36.0782,
20.0430

■ 28.1530, 37.7119,
25.5763

■ 32.2145, 39.6641,
32.1632

■ 36.9700, 41.9503,
39.8543

■ 42.4500, 44.5853,
48.6970

■ 48.6828, 47.5827,
58.7359

Harmonies

Analogous

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



24.4790, 32.3623, 2.6441



17.0142, 32.3623, 7.2693



13.6659, 32.3623, 23.1712

Triad

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



17.0142, 32.3623, 7.2693



26.1927, 32.3623, 142.2771



57.4188, 32.3623, 19.1983

Complementary

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



17.0142, 32.3623, 7.2693



26.7296, 13.8224, 41.8163

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.



58.2149, 32.3623, 50.8982



17.0142, 32.3623, 7.2693



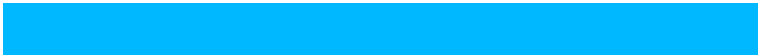
38.0314, 32.3623, 138.5152

Square

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



17.0142, 32.3623, 7.2693



17.9947, 32.3623, 106.9381



50.4261, 32.3623, 98.5928



48.4667, 32.3623, 5.9329

Rectangle

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



17.0142, 32.3623, 7.2693



13.4760, 32.3623, 44.3962



50.4261, 32.3623, 98.5928



58.7177, 32.3623, 27.4331

Sweetspot

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



17.0150, 32.3636, 7.2700



54.8456, 70.2090, 52.5367



34.0619, 41.1572, 7.8182



11.5889, 15.2846, 10.7275



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



17.0150, 32.3636, 7.2700



29.0661, 57.8330, 10.0462



19.4289, 33.3292, 19.9817



8.3960, 9.4929, 9.0791



11.4090, 22.7896, 3.8904



0.3614, 0.7180, 0.1350

Inverse Universe

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



26.7296, 13.8224, 41.8163



47.3075, 22.9304, 74.8504



21.5229, 11.7397, 14.3984



8.8421, 8.6436, 10.6670



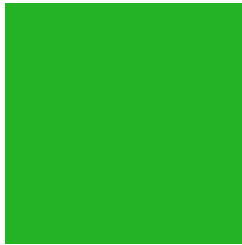
18.6229, 8.9667, 29.5037



0.5884, 0.2831, 0.9411

Previews

White Background



This preview shows how the XYZ color 17.0142, 32.3623, 7.2693 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 17.0142, 32.3623, 7.2693 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

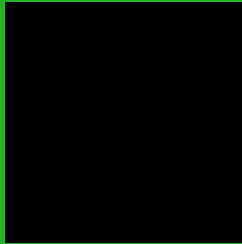
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 17.0142, 32.3623, 7.2693

Background



This preview shows how black text looks on a background with the XYZ color 17.0142, 32.3623, 7.2693.



This preview shows how white text looks on a background with the XYZ color 17.0142, 32.3623,

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

17.0142, 32.3623, 7.2693

Protanopia

28.6790, 31.6629, 6.0389

Deuteranopia

32.2771, 31.5935, 7.8870



Tritanopia

25.0812, 32.2326, 47.5474

Trichromacy



Original Color

17.0142, 32.3623, 7.2693



Protanomaly

21.3921, 30.1730, 6.2866



Deuteranomaly

22.6030, 29.4866, 7.4059



Tritanomaly

20.3854, 31.3980, 25.4081

Monochromacy



Original Color

17.0142, 32.3623, 7.2693



Achromatopsia

17.8524, 18.7821, 20.4537



Achromatomaly

15.5330, 21.9289, 13.3116

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.0142, 32.3623, 7.2693 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(36, 178, 39)` looks like.

```
.text, #text, p{  
    color:rgb(36, 178, 39)  
}
```

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(36, 178, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 178, 39) }
```

Border

The CSS property to change the border of an element to XYZ 17.0142, 32.3623, 7.2693 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(36, 178, 39) }
```


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

```
.border{ border-color:rgb(36, 178, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 178, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 178, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 178, 39);  
box-shadow:4px 4px 4px 4px rgb(36, 178,  
39) }
```

Background

The CSS property to change the background color of an element to XYZ 17.0142, 32.3623, 7.2693 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 178, 39) }
```

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

```
.background{ background-color: rgb(36, 178,  
39) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor