

Converting Colors

XYZ(20.0937, 27.2687, 4.2043)

Have a look what the booklet for
XYZ(20.0937, 27.2687, 4.2043)
contains.

XYZ(20.1436, 27.2945, 4.2067)	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(20.1436, 27.2945,
4.2067)**

Conversions

Conversions Part 1

Format	Color
Hex	7F9900
RGB	127, 153, 0
RGB Percent	50%, 60%, 0%
CMY	0.5020, 0.4000, 0.9999
CMYK	0.17, 0.00, 1.00, 0.40
HSL	70°, 100%, 30%
HSV	70°, 100%, 60%
XYZ	20.1436, 27.2945, 4.2067
YIQ	127.7840, 33.6170, -53.0950

Conversions

Conversions Part 2

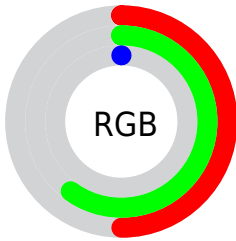
Format	Color
RYB	0, 153, 26
Decimal	8362240
CIELab	59.25, -26.23, 62.12
CIELCh	59, 67.433, 112.892
Yxy	27.2945, 0.3900, 0.5285
Android (android.graphics.Color)	4286552320 (0xFF7F9900)
YUV	127.7840, -62.9975, -0.6876
Hunter-Lab	52.2441, -22.6036, 31.7969

Details

The XYZ color **20.1436, 27.2945, 4.2067** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **6.1767, 2.5202, 30.2996**, and the grayscale version is **20.6473, 21.7226, 23.6559**.

A 20% lighter version of the original color is **43.0110, 55.1608, 14.5111**, and **7.4990, 10.9192, 1.7124** is the 20% darker color. If you saturate the color by 10%, you get **20.1438, 27.2955, 4.2069**, and if you desaturate by 10%, it is **20.6250, 27.5334, 4.6912**.

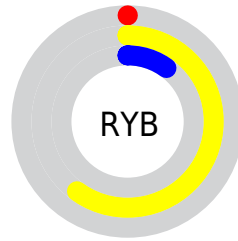
Distribution



Red (50%)

Green (60%)

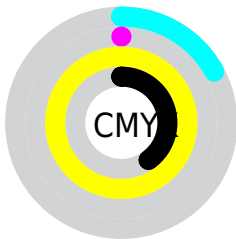
Blue (0%)



Red (0%)

Yellow (60%)

Blue (10%)

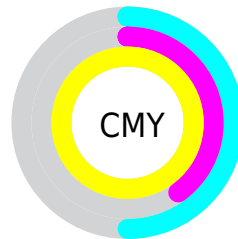


Cyan (17%)

Magenta (0%)

Yellow (100%)

Black (40%)



Cyan (50%)

Magenta (40%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.1436, 27.2945, 4.2067 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 20.1436, 27.2945, 4.2067 by changing the saturation by 10% instead.

■ 20.1436, 27.2945,
4.2067

■ 20.1436, 27.2945,
4.2067

245.5102,
289.0802, 150.4959

■ 12.6083, 17.7945,
1.7394

■ 43.1599, 55.3561,
14.4837

■ 7.2345, 10.8026,
0.3875

■ 59.3717, 74.6865,
23.1306

■ 3.6568, 5.9342,
0.0000

■ 79.2063, 98.0625,
34.6743

■ 1.5099, 2.8051,
0.0000

■ 103.0292,
125.8685, 49.5335

■ 0.3325, 1.0309,
0.0000

■ 131.2057,
158.4888, 68.1267

■ 0.0000, 0.0000,
0.0000

■ 164.1011,

196.3080, 90.8725

202.0808,
239.7103, 118.1894

20.1436, 27.2945,
4.2067

20.1436, 27.2945,
4.2067

20.1438, 27.2955,
4.2069

20.6250, 27.5334,
4.6912

21.1813, 27.8024,
5.5198

21.8431, 28.1148,
6.8514

22.6225, 28.4754,
8.7492

23.5300, 28.8884,
11.2676

■ 24.5747, 29.3575,
14.4543

■ 25.7649, 29.8860,
18.3526

■ 27.1080, 30.4769,
23.0018

■ 28.6113, 31.1331,
28.4387

Harmonies

Analogous

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



27.9970, 27.2945, 3.3741



20.1436, 27.2945, 4.2067



15.0595, 27.2945, 9.6111

Triad

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



20.1436, 27.2945, 4.2067



17.3534, 27.2945, 84.1131



45.5401, 27.2945, 35.8306

Complementary

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



20.1436, 27.2945, 4.2067



6.1767, 2.5202, 30.2996

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.



41.1051, 27.2945, 67.3629



20.1436, 27.2945, 4.2067



23.9913, 27.2945, 103.5016

Square

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



20.1436, 27.2945, 4.2067



13.7086, 27.2945, 51.6360



32.7597, 27.2945, 96.1172



43.8870, 27.2945, 15.0917

Rectangle

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



20.1436, 27.2945, 4.2067



13.3469, 27.2945, 18.0645



32.7597, 27.2945, 96.1172



44.6846, 27.2945, 45.5429

Sweetspot

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



20.1442, 27.2957, 4.2073



46.0036, 53.4595, 32.4084



13.4964, 7.4901, 0.7348



9.9712, 11.7216, 6.5351



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



20.1442, 27.2957, 4.2073



35.9366, 48.8100, 7.5272



12.7577, 23.4878, 3.8616



6.6058, 7.1698, 6.6416



16.6719, 22.5705, 3.4779



0.2733, 0.3498, 0.0531

Inverse Universe

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



6.1767, 2.5202, 30.2996



10.9506, 4.4557, 54.2549



11.2305, 5.1255, 30.5361



5.9775, 6.0743, 7.7864



5.1250, 2.0931, 25.0416



0.0982, 0.0424, 0.3754

Previews

White Background



This preview shows how the XYZ color 20.1436, 27.2945, 4.2067 looks on a white 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

Black Background



This preview shows how the XYZ color 20.1436, 27.2945, 4.2067 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 20.1436, 27.2945, 4.2067

Background



This preview shows how black text looks on a background with the XYZ color 20.1436, 27.2945, 4.2067.



This preview shows how white text looks on a background with the XYZ color 20.1436, 27.2945,

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

20.1436, 27.2945, 4.2067

Protanopia

24.5204, 27.2220, 3.9620

Deuteranopia

27.6842, 27.1104, 4.8106



Tritanopia

26.0702, 27.1349, 34.0005

Trichromacy



Original Color

20.1436, 27.2945, 4.2067

Protanomaly

22.8281, 27.2570, 4.0580

Deuteranomaly

24.4721, 26.9635, 4.4450

Tritanomaly

22.4282, 26.5717, 15.2560

Monochromacy



Original Color

20.1436, 27.2945, 4.2067

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.3330, 23.0746, 11.2195

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.1436, 27.2945, 4.2067 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(127, 153, 0)` looks like.

```
.text, #text, p{  
    color:rgb(127, 153, 0)  
}
```

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(127, 153, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 153, 0) }
```

Border

The CSS property to change the border of an element to XYZ 20.1436, 27.2945, 4.2067 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(127, 153, 0) }
```


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

```
.border{ border-color:rgb(127, 153, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 153, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 153, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 153, 0);  
box-shadow:4px 4px 4px 4px rgb(127, 153,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 20.1436, 27.2945, 4.2067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 153, 0) }
```

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

```
.background{ background-color: rgb(127,  
153, 0) }
```

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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