

Converting Colors

XYZ(20.2631, 27.2647, 20.6724)

Have a look what the booklet for
XYZ(20.2631, 27.2647, 20.6724)
contains.

XYZ(20.3015, 27.2557, 20.7139)	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(20.3015, 27.2557,
20.7139)**

Conversions

Conversions Part 1

Format	Color
Hex	679A74
RGB	103, 154, 116
RGB Percent	40%, 60%, 45%
CMY	0.5961, 0.3961, 0.5451
CMYK	0.33, 0.00, 0.25, 0.40
HSL	135°, 20%, 50%
HSV	135°, 33%, 60%
XYZ	20.3015, 27.2557, 20.7139
YIQ	134.4190, -18.1980, -22.6300

Conversions

Conversions Part 2

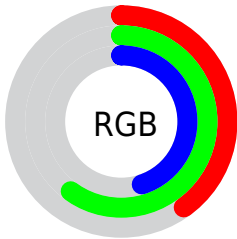
Format	Color
RYB	103, 144, 154
Decimal	6789748
CIELab	59.21, -25.30, 14.65
CIElCh	59, 29.234, 149.933
Yxy	27.2557, 0.2974, 0.3992
Android (android.graphics.Color)	4284979828 (0xFF679A74)
YUV	134.4190, -9.0806, -27.5545
Hunter-Lab	52.2070, -21.9497, 13.0207

Details

The XYZ color **20.3015, 27.2557, 20.7139** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **22.9853, 18.4942, 27.5586**, and the grayscale version is **22.8521, 24.0421, 26.1819**.

A 20% lighter version of the original color is **43.5786, 55.4960, 45.4608**, and **7.3618, 10.8747, 7.1799** is the 20% darker color. If you saturate the color by 10%, you get **18.0685, 26.1777, 17.3379**, and if you desaturate by 10%, it is **22.9438, 28.5367, 24.5407**.

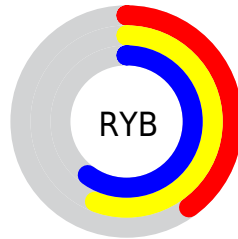
Distribution



Red (40%)

Green (60%)

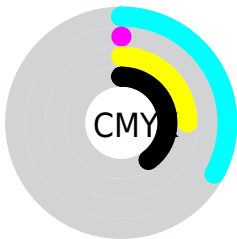
Blue (45%)



Red (40%)

Yellow (56%)

Blue (60%)

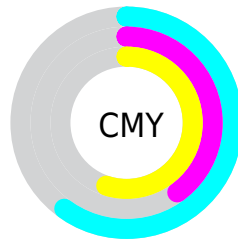


Cyan (33%)

Magenta (0%)

Yellow (25%)

Black (40%)



Cyan (60%)

Magenta (40%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3015, 27.2557, 20.7139 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 20.3015, 27.2557, 20.7139 by changing the saturation by 10% instead.

■ 20.3015, 27.2557,
20.7139

■ 20.3015, 27.2557,
20.7139

246.3452,
288.8930, 268.4850

■ 12.7239, 17.7654,
12.7258

■ 43.4222, 55.2939,
45.4855

■ 7.3144, 10.7817,
7.1115

■ 59.6960, 74.6106,
63.1061

■ 3.7076, 5.9202,
3.4524

■ 79.5993, 97.9714,
84.7746

■ 1.5381, 2.7966,
1.3300

■ 103.4974,
125.7609, 110.9096

■ 0.3515, 1.0265,
0.0862

131.7557,
158.3635, 141.9296

■ 0.0000, 0.0000,
0.0000

164.7396,

196.1634, 178.2531

202.8143,
239.5451, 220.2988

■ 20.3015, 27.2557,
20.7139

■ 20.3015, 27.2557,
20.7139

■ 18.0685, 26.1777,
17.3379

■ 22.9438, 28.5367,
24.5407

■ 16.2217, 25.2889,
14.3943

■ 26.0127, 30.0269,
28.8321

■ 14.7390, 24.5790,
11.8659

■ 29.5268, 31.7366,
33.6038

■ 13.5953, 24.0354,
9.7341

■ 33.5033, 33.6741,
38.8700

■ 12.7619, 23.6437,
7.9783

■ 37.9583, 35.8475,
44.6445

■ 12.2051, 23.3871,
6.5764

■ 42.9072, 38.2645,
50.9403

■ 11.9266, 23.2604,
5.8028

■ 48.3646, 40.9324,
57.7703

■ 54.3445, 43.8581,
65.1465

■ 60.8606, 47.0484,
73.0809

Harmonies

Analogous

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



22.5637, 27.2557, 15.4598



20.3015, 27.2557, 20.7139



19.5104, 27.2557, 29.6533

Triad

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



20.3015, 27.2557, 20.7139



25.8975, 27.2557, 54.6130



32.4662, 27.2557, 20.7460

Complementary

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



20.3015, 27.2557, 20.7139



22.9853, 18.4942, 27.5586

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.



33.5650, 27.2557, 29.7003



20.3015, 27.2557, 20.7139



29.5625, 27.2557, 50.6904

Square

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



20.3015, 27.2557, 20.7139



22.5507, 27.2557, 50.6568



32.4566, 27.2557, 40.9114



29.5780, 27.2557, 15.4751

Rectangle

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



20.3015, 27.2557, 20.7139



19.8600, 27.2557, 37.0589



32.4566, 27.2557, 40.9114



33.0685, 27.2557, 23.3466

Sweetspot

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



20.3022, 27.2568, 20.7145



49.0291, 55.4080, 54.8107



25.0319, 29.7764, 17.2603



10.9150, 12.4526, 12.1564



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.3022, 27.2568, 20.7145



33.6969, 47.9743, 32.8434



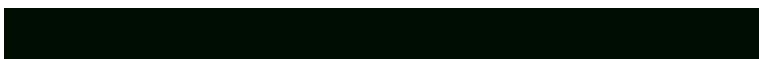
21.9763, 27.9265, 29.5300



6.1936, 6.9501, 6.9427



9.7293, 18.9552, 4.7950



0.1586, 0.2886, 0.1407

Inverse Universe

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



22.9853, 18.4942, 27.5586



39.3614, 29.4556, 47.2787



21.3153, 17.8262, 18.7647



6.3939, 6.2967, 7.4545



13.3816, 6.6069, 13.8003



0.2144, 0.1045, 0.2817

Previews

White Background



This preview shows how the XYZ color 20.3015, 27.2557, 20.7139 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 20.3015, 27.2557, 20.7139 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 20.3015, 27.2557, 20.7139

Background



This preview shows how black text looks on a background with the XYZ color 20.3015, 27.2557, 20.7139.



This preview shows how white text looks on a background with the XYZ color 20.3015, 27.2557,

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

20.3015, 27.2557, 20.7139

Protanopia

25.2500, 27.0511, 18.6424

Deuteranopia

27.4401, 27.0339, 21.5411



Tritanopia

23.6172, 27.1626, 37.2559

Trichromacy



Original Color

20.3015, 27.2557, 20.7139

Protanomaly

23.0350, 26.7960, 19.2873

Deuteranomaly

24.1367, 26.6396, 21.3226

Tritanomaly

22.2471, 27.0775, 30.4395

Monochromacy



Original Color

20.3015, 27.2557, 20.7139

Achromatopsia

22.6597, 23.8398, 25.9615

Achromatomaly

21.5240, 24.7930, 23.7298

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3015, 27.2557, 20.7139 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(103, 154, 116)` looks like.

```
.text, #text, p{  
    color:rgb(103, 154, 116)  
}
```

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(103, 154, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 154, 116) }
```

Border

The CSS property to change the border of an element to XYZ 20.3015, 27.2557, 20.7139 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(103, 154, 116) }
```


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

```
.border{ border-color:rgb(103, 154, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 154, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(103, 154, 116); -webkit-box-shadow:4px 4px 4px 4px rgb(103, 154, 116); box-shadow:4px 4px 4px 4px rgb(103, 154, 116) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3015, 27.2557, 20.7139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 154, 116) }
```

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

```
.background{ background-color: rgb(103,  
154, 116) }
```

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