

Converting Colors

XYZ(20.7311, 27.0580, 14.0578)

Have a look what the booklet for
XYZ(20.7311, 27.0580, 14.0578)
contains.

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Color

**XYZ(20.7243, 27.1337,
14.0426)**

Conversions

Conversions Part 1

Format	Color
Hex	77985B
RGB	119, 152, 91
RGB Percent	47%, 60%, 36%
CMY	0.5333, 0.4039, 0.6431
CMYK	0.22, 0.00, 0.40, 0.40
HSL	92°, 25%, 48%
HSV	92°, 40%, 60%
XYZ	20.7243, 27.1337, 14.0426
YIQ	135.1790, -0.0870, -25.9670

Conversions

Conversions Part 2

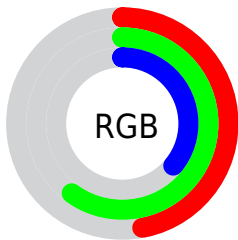
Format	Color
R_{YB}	91, 152, 124
Decimal	7837787
CIE _{Lab}	59.10, -22.76, 28.43
CIE _{LCh}	59, 36.416, 128.672
Yxy	27.1337, 0.3348, 0.4383
Android (android.graphics.Color)	4286027867 (0xFF77985B)
YUV	135.1790, -21.7802, -14.1890
Hunter-Lab	52.0900, -20.1403, 20.4794

Details

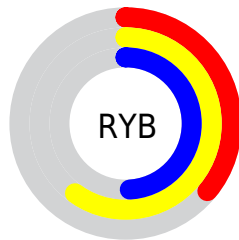
The XYZ color **20.7243, 27.1337, 14.0426** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **17.7219, 14.0351, 31.4822**, and the grayscale version is **23.1746, 24.3815, 26.5514**.

A 20% lighter version of the original color is **43.9670, 54.8663, 33.8641**, and **7.5625, 10.7544, 4.0601** is the 20% darker color. If you saturate the color by 10%, you get **19.0539, 26.3416, 10.8816**, and if you desaturate by 10%, it is **22.6266, 28.0316, 17.9090**.

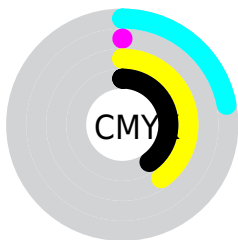
Distribution



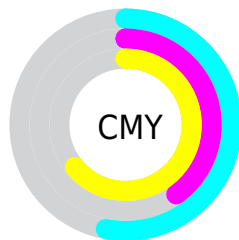
- Red (47%)
- Green (60%)
- Blue (36%)



- Red (36%)
- Yellow (60%)
- Blue (49%)



- Cyan (22%)
- Magenta (0%)
- Yellow (40%)
- Black (40%)



- Cyan (53%)
- Magenta (40%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7243, 27.1337, 14.0426 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 20.7243, 27.1337, 14.0426 by changing the saturation by 10% instead.

■ 20.7243, 27.1337,
14.0426

■ 20.7243, 27.1337,
14.0426

248.5692,
288.3039, 228.9333

■ 13.0339, 17.6737,
8.0112

■ 44.1230, 55.0983,
33.8828

■ 7.5291, 10.7159,
4.0142

■ 60.5620, 74.3717,
48.5287

■ 3.8444, 5.8762,
1.6332

■ 80.6480, 97.6850,
66.8832

■ 1.6145, 2.7699,
0.3143

■ 104.7462,
125.4226, 89.3648

■ 0.4018, 1.0128,
0.0000

133.2221,
157.9689, 116.3921

■ 0.0000, 0.0000,
0.0000

166.4410,

195.7083, 148.3836

204.7682,
239.0251, 185.7578

■ 20.7243, 27.1337,
14.0426

■ 20.7243, 27.1337,
14.0426

■ 19.0539, 26.3416,
10.8816

■ 22.6266, 28.0316,
17.9090

■ 17.6027, 25.6474,
8.3814

■ 24.7686, 29.0360,
22.5179

■ 16.3601, 25.0472,
6.4956


■ 27.1600, 30.1521,
27.9063


■ 15.3132, 24.5358,
5.1706


■ 29.8094, 31.3834,
34.1078

■ 14.4472, 24.1068,
4.3436

■ 32.7251, 32.7335,
41.1543

 13.7377, 23.7510,
3.8603

 35.9148, 34.2059,
49.0760

 39.3860, 35.8036,
57.9014

 43.1458, 37.5298,
67.6579

 47.2011, 39.3874,
78.3716

Harmonies

Analogous

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



24.4995, 27.1337, 11.1177



20.7243, 27.1337, 14.0426



18.5018, 27.1337, 21.3733

Triad

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



20.7243, 27.1337, 14.0426



22.7518, 27.1337, 59.3795



35.3868, 27.1337, 25.9426

Complementary

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



20.7243, 27.1337, 14.0426



17.7219, 14.0351, 31.4822

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.



34.7771, 27.1337, 39.5696



20.7243, 27.1337, 14.0426



27.1245, 27.1337, 61.6736

Square

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



20.7243, 27.1337, 14.0426



19.5736, 27.1337, 48.0182



31.6199, 27.1337, 53.5925



33.1998, 27.1337, 16.5446

Rectangle

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



20.7243, 27.1337, 14.0426



18.0300, 27.1337, 28.9700



31.6199, 27.1337, 53.5925



35.5069, 27.1337, 30.1256

Sweetspot

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



20.7250, 27.1349, 14.0432



47.0134, 52.7882, 47.1390



21.9876, 21.7304, 12.9335



10.5707, 11.9445, 10.4529



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.



20.7250, 27.1349, 14.0432



33.9629, 46.6518, 19.8116



17.5207, 25.4727, 14.3574



6.3880, 7.0575, 6.6314



11.5533, 19.9318, 3.2383



0.2140, 0.3193, 0.0503

Inverse Universe

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



17.7219, 14.0351, 31.4822



27.9194, 20.3056, 54.8815



22.1934, 16.3593, 30.8294



6.1877, 6.1826, 7.7962



7.7229, 3.4323, 25.1632



0.1574, 0.0729, 0.3782

Previews

White Background



This preview shows how the XYZ color 20.7243, 27.1337, 14.0426 looks on a white background.

Color Contrast Check

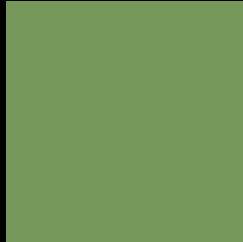
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.7243, 27.1337, 14.0426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

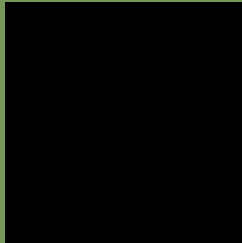
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7243, 27.1337, 14.0426

Background



This preview shows how black text looks on a background with the XYZ color 20.7243, 27.1337, 14.0426.



This preview shows how white text looks on a background with the XYZ color 20.7243, 27.1337,

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

20.7243, 27.1337, 14.0426

Protanopia

24.9109, 27.0027, 12.9159

Deuteranopia

27.4473, 26.9806, 14.5876



Tritanopia

25.0273, 27.0139, 35.3476

Trichromacy



Original Color

20.7243, 27.1337, 14.0426

Protanomaly

23.1957, 27.0131, 13.2240

Deuteranomaly

24.4559, 26.7335, 14.4608

Tritanomaly

23.0560, 26.8934, 25.8055

Monochromacy



Original Color

20.7243, 27.1337, 14.0426

Achromatopsia

23.0288, 24.2281, 26.3844

Achromatomaly

21.9079, 25.0488, 21.1330

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7243, 27.1337, 14.0426 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(119, 152, 91)` looks like.

```
.text, #text, p{  
    color:rgb(119, 152, 91)  
}
```

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(119, 152, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 152, 91) }
```

Border

The CSS property to change the border of an element to XYZ 20.7243, 27.1337, 14.0426 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(119, 152, 91) }
```


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

```
.border{ border-color:rgb(119, 152, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 152, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 152, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 152, 91);  
box-shadow:4px 4px 4px 4px rgb(119, 152,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7243, 27.1337, 14.0426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 152, 91) }
```

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

```
.background{ background-color: rgb(119,  
152, 91) }
```

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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