

Converting Colors

XYZ(14.7529, 20.0794, 8.9352)

Have a look what the booklet for
XYZ(14.7529, 20.0794, 8.9352)
contains.

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Color

**XYZ(14.7762, 20.1450,
8.9039)**

Conversions

Conversions Part 1

Format	Color
Hex	638646
RGB	99, 134, 70
RGB Percent	39%, 53%, 27%
CMY	0.6118, 0.4745, 0.7255
CMYK	0.26, 0.00, 0.48, 0.47
HSL	93°, 31%, 40%
HSV	93°, 48%, 53%
XYZ	14.7762, 20.1450, 8.9039
YIQ	116.2390, -0.3160, -27.3240

Conversions

Conversions Part 2

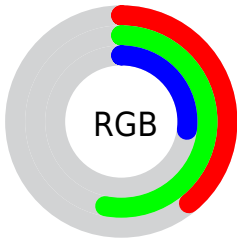
Format	Color
R_{YB}	70, 134, 105
Decimal	6522438
CIE _{Lab}	52.00, -24.26, 30.43
CIE _{LCh}	52, 38.916, 128.556
Yxy	20.1450, 0.3372, 0.4597
Android (android.graphics.Color)	4284712518 (0xFF638646)
YUV	116.2390, -22.7958, -15.1186
Hunter-Lab	44.8832, -19.7808, 19.6563

Details

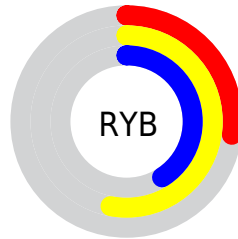
The XYZ color **14.7762, 20.1450, 8.9039** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.3197, 9.1053, 23.6635**, and the grayscale version is **16.7422, 17.6141, 19.1817**.

A 20% lighter version of the original color is **33.9230, 43.4760, 24.3731**, and **4.6404, 7.0806, 1.9327** is the 20% darker color. If you saturate the color by 10%, you get **13.6350, 19.6009, 6.8837**, and if you desaturate by 10%, it is **16.0855, 20.7661, 11.4257**.

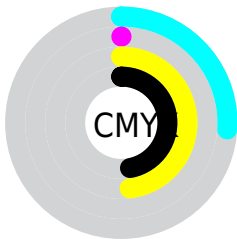
Distribution



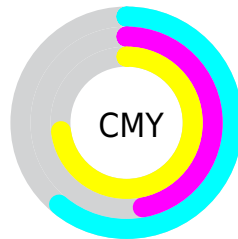
- Red (39%)
- Green (53%)
- Blue (27%)



- Red (27%)
- Yellow (53%)
- Blue (41%)



- Cyan (26%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)



- Cyan (61%)
- Magenta (47%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7762, 20.1450, 8.9039 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 14.7762, 20.1450, 8.9039 by changing the saturation by 10% instead.

■ 14.7762, 20.1450,
8.9039

■ 14.7762, 20.1450,
8.9039

215.4229,
252.6990, 192.8510

■ 8.7478, 12.5005,
4.5826

■ 34.0350, 43.6602,
24.2871

■ 4.6328, 7.0855,
1.9501

■ 47.9960, 60.2996,
36.1860

■ 2.0660, 3.5156,
0.5243

■ 65.3320, 80.7061,
51.4480

■ 0.6706, 1.4065,
0.0000

■ 86.4082, 105.2641,
70.4914

■ 0.0000, 0.2215,
0.0000

■ 111.5901,
134.3580, 93.7349

■ 0.0000, 0.0000,
0.0000

141.2429,

168.3722, 121.5969

175.7321,
207.6911, 154.4961

■ 14.7762, 20.1450,
8.9039

■ 14.7762, 20.1450,
8.9039

■ 13.6350, 19.6009,
6.8837

■ 16.0855, 20.7661,
11.4257

■ 12.6522, 19.1276,
5.3300

■ 17.5689, 21.4649,
14.4781

■ 11.8191, 18.7221,
4.2058

■ 19.2343, 22.2451,
18.0897

■ 11.1253, 18.3801,
3.4674

■ 21.0880, 23.1098,
22.2865

■ 10.5510, 18.0933,
3.0224

■ 23.1366, 24.0616,
27.0930

■ 10.4326, 18.0341,
2.9311

■ 25.3859, 25.1031,
32.5321

■ 27.8417, 26.2368,
38.6258

■ 30.5094, 27.4650,
45.3948

■ 33.3942, 28.7900,
52.8590

Harmonies

Analogous

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



18.0348, 20.1450, 6.6493



14.7762, 20.1450, 8.9039



12.8896, 20.1450, 14.8790

Triad

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



14.7762, 20.1450, 8.9039



16.4921, 20.1450, 49.1926



27.7225, 20.1450, 18.8427

Complementary

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



14.7762, 20.1450, 8.9039



12.3197, 9.1053, 23.6635

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.



27.1593, 20.1450, 30.9280



14.7762, 20.1450, 8.9039



20.3044, 20.1450, 51.3989

Square

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



14.7762, 20.1450, 8.9039



13.7810, 20.1450, 38.5590



24.3050, 20.1450, 43.8322



25.7519, 20.1450, 10.9430

Rectangle

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



14.7762, 20.1450, 8.9039



12.4902, 20.1450, 21.3887



24.3050, 20.1450, 43.8322



27.8282, 20.1450, 22.4895

Sweetspot

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



14.7767, 20.1459, 8.9043



34.9770, 39.7010, 34.3053



15.9015, 15.4387, 7.9365



7.7469, 8.8821, 7.4303



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



14.7767, 20.1459, 8.9043



23.9307, 34.4893, 11.9741



12.2255, 18.8228, 9.1428



4.8018, 5.3004, 4.9994



9.7885, 16.9061, 2.7473



0.0421, 0.0628, 0.0099

Inverse Universe

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



12.3197, 9.1053, 23.6635



19.0631, 12.6427, 41.1739



16.1781, 11.1114, 23.0750



4.6597, 4.6607, 5.8548



6.6403, 2.9573, 21.3575



0.0314, 0.0146, 0.0744

Previews

White Background



This preview shows how the XYZ color 14.7762, 20.1450, 8.9039 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 14.7762, 20.1450, 8.9039 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

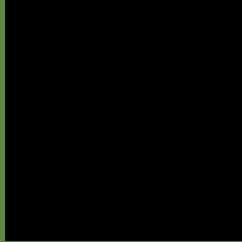
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7762, 20.1450, 8.9039

Background



This preview shows how black text looks on a background with the XYZ color 14.7762, 20.1450, 8.9039.



This preview shows how white text looks on a background with the XYZ color 14.7762, 20.1450,

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

14.7762, 20.1450, 8.9039

Protanopia

18.3444, 20.0429, 8.0561

Deuteranopia

20.2921, 19.9353, 9.2570



Tritanopia

18.4114, 20.2361, 26.6025

Trichromacy



Original Color

14.7762, 20.1450, 8.9039

Protanomaly

16.9007, 20.0545, 8.2903

Deuteranomaly

17.7703, 19.7216, 9.1734

Tritanomaly

16.7890, 20.1608, 18.6293

Monochromacy



Original Color

14.7762, 20.1450, 8.9039

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.7655, 18.3818, 14.5215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7762, 20.1450, 8.9039 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(99, 134, 70)` looks like.

```
.text, #text, p{  
    color:rgb(99, 134, 70)  
}
```

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(99, 134, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 134, 70) }
```

Border

The CSS property to change the border of an element to XYZ 14.7762, 20.1450, 8.9039 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(99, 134, 70) }
```


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

```
.border{ border-color:rgb(99, 134, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 134, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 134, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 134, 70);  
box-shadow:4px 4px 4px 4px rgb(99, 134,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7762, 20.1450, 8.9039 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 134, 70) }
```

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

```
.background{ background-color: rgb(99, 134,  
70) }
```

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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