

Converting Colors

XYZ(14.6088, 20.1737, 8.4733)

Have a look what the booklet for
XYZ(14.6088, 20.1737, 8.4733)
contains.

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Color

**XYZ(14.7141, 20.3299,
8.4587)**

Conversions

Conversions Part 1

Format	Color
Hex	628743
RGB	98, 135, 67
RGB Percent	38%, 53%, 26%
CMY	0.6157, 0.4706, 0.7372
CMYK	0.27, 0.00, 0.50, 0.47
HSL	93°, 34%, 40%
HSV	93°, 50%, 53%
XYZ	14.7141, 20.3299, 8.4587
YIQ	116.1850, -0.2240, -28.9920

Conversions

Conversions Part 2

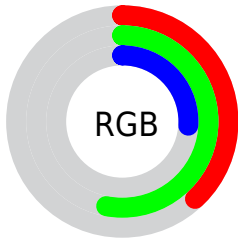
Format	Color
RYB	67, 135, 104
Decimal	6457155
CIELab	52.21, -25.53, 32.26
CIELCh	52, 41.140, 128.353
Yxy	20.3299, 0.3382, 0.4673
Android (android.graphics.Color)	4284647235 (0xFF628743)
YUV	116.1850, -24.2482, -15.9482
Hunter-Lab	45.0887, -20.6541, 20.4392

Details

The XYZ color **14.7141, 20.3299, 8.4587** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.0901, 8.7072, 23.9663**, and the grayscale version is **16.7299, 17.6011, 19.1676**.

A 20% lighter version of the original color is **33.7718, 43.7348, 23.4913**, and **4.5937, 7.1759, 1.8048** is the 20% darker color. If you saturate the color by 10%, you get **13.5990, 19.7971, 6.5334**, and if you desaturate by 10%, it is **15.9975, 20.9398, 10.8856**.

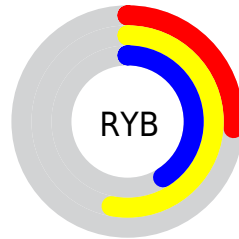
Distribution



Red (38%)

Green (53%)

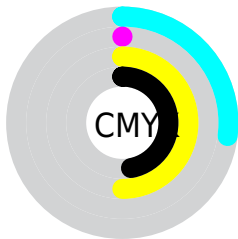
Blue (26%)



Red (26%)

Yellow (53%)

Blue (41%)

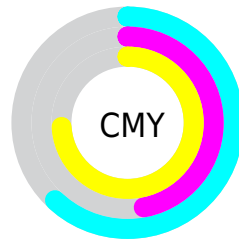


Cyan (27%)

Magenta (0%)

Yellow (50%)

Black (47%)



Cyan (62%)

Magenta (47%)

Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.7141, 20.3299, 8.4587 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 14.7141, 20.3299, 8.4587 by changing the saturation by 10% instead.

■ 14.7141, 20.3299,
8.4587

■ 14.7141, 20.3299,
8.4587

215.0520,
253.6955, 189.3538

■ 8.7040, 12.6351,
4.2979

■ 33.9266, 43.9696,
23.4137

■ 4.6042, 7.1777,
1.7901

■ 47.8598, 60.6833,
35.0450

■ 2.0493, 3.5735,
0.4214

■ 65.1646, 81.1720,
50.0036

■ 0.6614, 1.4380,
0.0000

■ 86.2065, 105.8202,
68.7079

■ 0.0000, 0.2445,
0.0000

■ 111.3509,
135.0122, 91.5765

■ 0.0000, 0.0000,
0.0000

140.9630,

169.1325, 119.0280

175.4083,
208.5655, 151.4809

■ 14.7141, 20.3299,
8.4587

■ 14.7141, 20.3299,
8.4587

■ 13.5990, 19.7971,
6.5334

■ 15.9975, 20.9398,
10.8856

■ 12.6419, 19.3351,
5.0733

■ 17.4555, 21.6274,
13.8447

■ 11.8339, 18.9406,
4.0391

■ 19.0959, 22.3968,
17.3655

■ 11.1641, 18.6091,
3.3843

■ 20.9256, 23.2510,
21.4751

■ 10.6224, 18.3382,
2.9798

■ 22.9512, 24.1928,
26.1987

■ 25.1786, 25.2247,
31.5603

■ 27.6138, 26.3494,
37.5822

■ 30.2625, 27.5691,
44.2860

■ 33.1298, 28.8864,
51.6921

Harmonies

Analogous

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



18.1684, 20.3299, 6.1887



14.7141, 20.3299, 8.4587



12.7216, 20.3299, 14.6244

Triad

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



14.7141, 20.3299, 8.4587



16.4825, 20.3299, 51.5101



28.5109, 20.3299, 18.9298

Complementary

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



14.7141, 20.3299, 8.4587



12.0901, 8.7072, 23.9663

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.



27.8855, 20.3299, 31.8590



14.7141, 20.3299, 8.4587



20.5254, 20.3299, 53.9934

Square

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



14.7141, 20.3299, 8.4587



13.6343, 20.3299, 39.9060



24.8059, 20.3299, 45.8085



26.4077, 20.3299, 10.6236

Rectangle

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



14.7141, 20.3299, 8.4587



12.2960, 20.3299, 21.4746



24.8059, 20.3299, 45.8085



28.6182, 20.3299, 22.8104

Sweetspot

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



14.7146, 20.3308, 8.4591



35.8018, 40.8572, 34.6670



15.8824, 15.3106, 7.4286



8.1533, 9.3976, 7.7197



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



14.7146, 20.3308, 8.4591



24.1729, 35.3650, 11.4095



12.0618, 18.9552, 8.6970



4.8030, 5.3010, 4.9994



9.8097, 16.9170, 2.7483



0.0422, 0.0629, 0.0099

Inverse Universe

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



12.0901, 8.7072, 23.9663



18.9215, 12.1363, 42.3936



16.2149, 10.8518, 23.3350



4.6585, 4.6601, 5.8547



6.6141, 2.9438, 21.3563



0.0313, 0.0145, 0.0744

Previews

White Background



This preview shows how the XYZ color 14.7141, 20.3299, 8.4587 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 14.7141, 20.3299, 8.4587 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

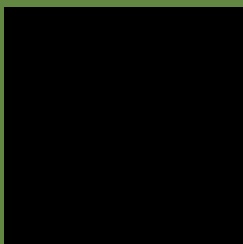
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.7141, 20.3299, 8.4587

Background



This preview shows how black text looks on a background with the XYZ color 14.7141, 20.3299, 8.4587.



This preview shows how white text looks on a background with the XYZ color 14.7141, 20.3299,

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

14.7141, 20.3299, 8.4587

Protanopia

18.4214, 20.0925, 7.6100

Deuteranopia

20.3783, 19.9911, 8.7459



Tritanopia

18.2891, 20.1730, 26.5968

Trichromacy



Original Color

14.7141, 20.3299, 8.4587

Protanomaly

16.8130, 20.0195, 7.8285

Deuteranomaly

17.8289, 19.7630, 8.6693

Tritanomaly

16.6162, 20.0782, 18.3289

Monochromacy



Original Color

14.7141, 20.3299, 8.4587

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.5942, 18.2990, 14.2654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.7141, 20.3299, 8.4587 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(98, 135, 67)` looks like.

```
.text, #text, p{  
    color:rgb(98, 135, 67)  
}
```

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(98, 135, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 135, 67) }
```

Border

The CSS property to change the border of an element to XYZ 14.7141, 20.3299, 8.4587 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(98, 135, 67) }
```


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

```
.border{ border-color:rgb(98, 135, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 135, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 135, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 135, 67);  
box-shadow:4px 4px 4px 4px rgb(98, 135,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 14.7141, 20.3299, 8.4587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 135, 67) }
```

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

```
.background{ background-color: rgb(98, 135,  
67) }
```

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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