

Converting Colors

XYZ(14.9610, 20.2709, 8.9303)

Have a look what the booklet for
XYZ(14.9610, 20.2709, 8.9303)
contains.

XYZ(14.8861, 20.2017, 8.9091)	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(14.8861, 20.2017,
8.9091)**

Conversions

Conversions Part 1

Format	Color
Hex	648646
RGB	100, 134, 70
RGB Percent	39%, 53%, 27%
CMY	0.6078, 0.4745, 0.7255
CMYK	0.25, 0.00, 0.48, 0.47
HSL	92°, 31%, 40%
HSV	92°, 48%, 53%
XYZ	14.8861, 20.2017, 8.9091
YIQ	116.5380, 0.2800, -27.1120

Conversions

Conversions Part 2

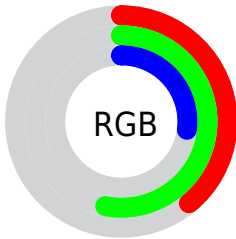
Format	Color
R_{YB}	70, 134, 104
Decimal	6587974
CIE _{Lab}	52.06, -23.87, 30.53
CIE _{LCh}	52, 38.748, 128.019
Yxy	20.2017, 0.3383, 0.4592
Android (android.graphics.Color)	4284778054 (0xFF648646)
YUV	116.5380, -22.9432, -14.5038
Hunter-Lab	44.9463, -19.5373, 19.7102

Details

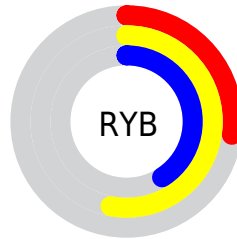
The XYZ color **14.8861, 20.2017, 8.9091** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **12.2031, 9.0452, 23.6581**, and the grayscale version is **16.8347, 17.7114, 19.2877**.

A 20% lighter version of the original color is **34.1094, 43.5721, 24.3818**, and **4.6902, 7.1063, 1.9351** is the 20% darker color. If you saturate the color by 10%, you get **13.7563, 19.6634, 6.8894**, and if you desaturate by 10%, it is **16.1802, 20.8150, 11.4302**.

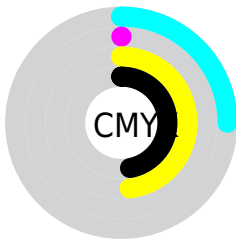
Distribution



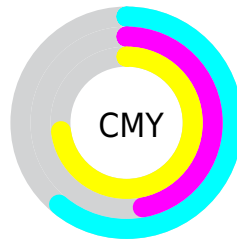
- Red (39%)
- Green (53%)
- Blue (27%)



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



- Cyan (25%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8861, 20.2017, 8.9091 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 14.8861, 20.2017, 8.9091 by changing the saturation by 10% instead.

■ 14.8861, 20.2017,
8.9091

■ 14.8861, 20.2017,
8.9091

216.0779,
253.0050, 192.8914

■ 8.8253, 12.5417,
4.5859

■ 34.2265, 43.7551,
24.2972

■ 4.6836, 7.1138,
1.9520

■ 48.2369, 60.4173,
36.1993

■ 2.0957, 3.5333,
0.5255

■ 65.6278, 80.8491,
51.4647

■ 0.6869, 1.4161,
0.0000

■ 86.7645, 105.4348,
70.5120

■ 0.0000, 0.2286,
0.0000

■ 112.0126,
134.5588, 93.7598

■ 0.0000, 0.0000,
0.0000

141.7373,

168.6056, 121.6266

176.3039,
207.9595, 154.5310

■ 14.8861, 20.2017,
8.9091

■ 14.8861, 20.2017,
8.9091

■ 13.7563, 19.6634,
6.8894

■ 16.1802, 20.8150,
11.4302

■ 12.7811, 19.1940,
5.3361

■ 17.6445, 21.5039,
14.4817

■ 11.9521, 18.7907,
4.2120


■ 19.2865, 22.2721,
18.0922


■ 11.2591, 18.4491,
3.4737


■ 21.1127, 23.1226,
22.2878


■ 10.6826, 18.1612,
3.0286


■ 23.1291, 24.0578,
27.0928

 10.5632, 18.1015,
2.9372

 25.3418, 25.0804,
32.5302

 27.7562, 26.1928,
38.6220

 30.3776, 27.3971,
45.3889

 33.2113, 28.6957,
52.8508

Harmonies

Analogous

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



18.1592, 20.2017, 6.7063



14.8861, 20.2017, 8.9091



12.9750, 20.2017, 14.8073

Triad

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



14.8861, 20.2017, 8.9091



16.4920, 20.2017, 49.0182



27.7627, 20.2017, 19.0945

Complementary

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



14.8861, 20.2017, 8.9091



12.2031, 9.0452, 23.6581

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.



27.1552, 20.2017, 31.2009



14.8861, 20.2017, 8.9091



20.2821, 20.2017, 51.3943

Square

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



14.8861, 20.2017, 8.9091



13.8096, 20.2017, 38.3303



24.2785, 20.2017, 44.0132



25.8398, 20.2017, 11.1205

Rectangle

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



14.8861, 20.2017, 8.9091



12.5573, 20.2017, 21.2517



24.2785, 20.2017, 44.0132



27.8521, 20.2017, 22.7580

Sweetspot

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



14.8866, 20.2026, 8.9095



35.0530, 39.7401, 34.3088



15.7947, 15.2251, 7.9009



7.7660, 8.8919, 7.4312



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.



14.8866, 20.2026, 8.9095



24.1450, 34.5997, 11.9841



12.1910, 18.8090, 8.9607



4.8084, 5.3038, 4.9997



9.9110, 16.9693, 2.7530



0.0426, 0.0631, 0.0099

Inverse Universe

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



12.2031, 9.0452, 23.6581



18.8314, 12.5232, 41.1631



16.2515, 11.1408, 23.4611



4.6531, 4.6573, 5.8544



6.4935, 2.8817, 21.3507



0.0309, 0.0143, 0.0744

Previews

White Background



This preview shows how the XYZ color 14.8861, 20.2017, 8.9091 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 14.8861, 20.2017, 8.9091 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

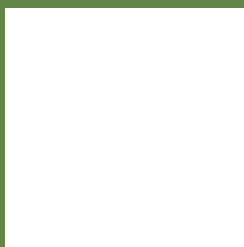
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 14.8861, 20.2017, 8.9091

Background



This preview shows how black text looks on a background with the XYZ color 14.8861, 20.2017, 8.9091.



This preview shows how white text looks on a background with the XYZ color 14.8861, 20.2017,

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

14.8861, 20.2017, 8.9091

Protanopia

18.3444, 20.0429, 8.0561

Deuteranopia

20.2921, 19.9353, 9.2570



Tritanopia

18.5351, 20.2999, 26.6083

Trichromacy



Original Color

14.8861, 20.2017, 8.9091

Protanomaly

16.9007, 20.0545, 8.2903

Deuteranomaly

17.9260, 19.8019, 9.1807

Tritanomaly

16.9071, 20.2217, 18.6349

Monochromacy



Original Color

14.8861, 20.2017, 8.9091

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

15.9388, 18.4655, 14.7807

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8861, 20.2017, 8.9091 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(100, 134, 70)` looks like.

```
.text, #text, p{  
    color:rgb(100, 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(100, 134, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 134, 70) }
```

Border

The CSS property to change the border of an element to XYZ 14.8861, 20.2017, 8.9091 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(100, 134, 70) }
```


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

```
.border{ border-color:rgb(100, 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(100, 134, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 134, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 134, 70);  
box-shadow:4px 4px 4px 4px rgb(100, 134,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8861, 20.2017, 8.9091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 134, 70) }
```

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

```
.background{ background-color: rgb(100,  
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](#).

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