

Converting Colors

XYZ(14.8085, 21.5768, 9.2381)

Have a look what the booklet for
XYZ(14.8085, 21.5768, 9.2381)
contains.

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Color

**XYZ(14.8468, 21.6656,
9.1937)**

Conversions

Conversions Part 1

Format	Color
Hex	5A8D46
RGB	90, 141, 70
RGB Percent	35%, 55%, 27%
CMY	0.6471, 0.4470, 0.7255
CMYK	0.36, 0.00, 0.50, 0.45
HSL	103°, 34%, 41%
HSV	103°, 50%, 55%
XYZ	14.8468, 21.6656, 9.1937
YIQ	117.6570, -7.6050, -32.8930

Conversions

Conversions Part 2

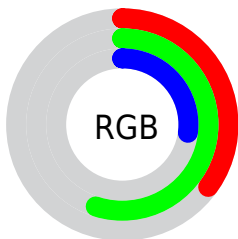
Format	Color
RYB	70, 141, 121
Decimal	5934406
CIELab	53.67, -31.03, 32.38
CIElCh	54, 44.844, 133.776
Yxy	21.6656, 0.3248, 0.4740
Android (android.graphics.Color)	4284124486 (0xFF5A8D46)
YUV	117.6570, -23.4949, -24.2552
Hunter-Lab	46.5463, -24.5202, 20.8716

Details

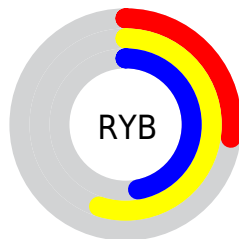
The XYZ color **14.8468, 21.6656, 9.1937** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **14.8840, 10.3690, 26.4174**, and the grayscale version is **17.1859, 18.0809, 19.6901**.

A 20% lighter version of the original color is **34.2330, 46.2259, 24.8875**, and **4.6475, 7.8055, 2.0723** is the 20% darker color. If you saturate the color by 10%, you get **13.5341, 21.0351, 7.0756**, and if you desaturate by 10%, it is **16.3994, 22.4090, 11.8695**.

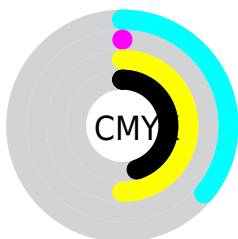
Distribution



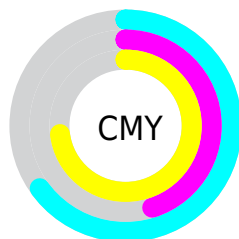
- Red (35%)
- Green (55%)
- Blue (27%)



- Red (27%)
- Yellow (55%)
- Blue (47%)



- Cyan (36%)
- Magenta (0%)
- Yellow (50%)
- Black (45%)



- Cyan (65%)
- Magenta (45%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.8468, 21.6656, 9.1937 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 14.8468, 21.6656, 9.1937 by changing the saturation by 10% instead.

■ 14.8468, 21.6656,
9.1937

■ 14.8468, 21.6656,
9.1937

215.8439,
260.7949, 195.0873

■ 8.7976, 13.6114,
4.7692

■ 34.1581, 46.1927,
24.8511

■ 4.6654, 7.8509,
2.0561

■ 48.1508, 63.4343,
36.9211

■ 2.0850, 3.9997,
0.5895

■ 65.5221, 84.5073,
52.3767

■ 0.6811, 1.6734,
0.0000

■ 86.6372, 109.7959,
71.6364

■ 0.0000, 0.4063,
0.0000

■ 111.8616,
139.6846, 95.1188

■ 0.0000, 0.0000,
0.0000

141.5606,

174.5577, 123.2424

176.0996,
214.7997, 156.4257

■ 14.8468, 21.6656,
9.1937

■ 14.8468, 21.6656,
9.1937

■ 13.5341, 21.0351,
7.0756

■ 16.3994, 22.4090,
11.8695

■ 12.4469, 20.5089,
5.4745

■ 18.2020, 23.2679,
15.1373

■ 11.5716, 20.0817,
4.3462

■ 20.2663, 24.2480,
19.0299

■ 10.8920, 19.7464,
3.6388

■ 22.6025, 25.3541,
23.5778

■ 10.3894, 19.4961,
3.2155

■ 25.2202, 26.5905,
28.8092

■ 28.1289, 27.9615,
34.7507

■ 31.3371, 29.4710,
41.4274

■ 34.8534, 31.1227,
48.8633

■ 38.6859, 32.9205,
57.0813

Harmonies

Analogous

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



18.4729, 21.6656, 6.1094



14.8468, 21.6656, 9.1937



12.9440, 21.6656, 16.9518

Triad

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



14.8468, 21.6656, 9.1937



18.1211, 21.6656, 59.1381



30.9146, 21.6656, 17.8414

Complementary

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



14.8468, 21.6656, 9.1937



14.8840, 10.3690, 26.4174

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.



30.7811, 21.6656, 31.7684



14.8468, 21.6656, 9.1937



22.8683, 21.6656, 59.6788

Square

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



14.8468, 21.6656, 9.1937



14.6239, 21.6656, 46.9963



27.6570, 21.6656, 48.2711



27.9975, 21.6656, 9.6261

Rectangle

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



14.8468, 21.6656, 9.1937



12.6908, 21.6656, 25.3733



27.6570, 21.6656, 48.2711



31.2374, 21.6656, 21.8926

Sweetspot

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



14.8473, 21.6665, 9.1942



38.3354, 44.3904, 38.0268



18.9141, 19.7523, 8.6103



8.3917, 9.8339, 8.1621



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



14.8473, 21.6665, 9.1942



24.0381, 37.5731, 12.3655



13.7063, 21.0148, 12.0087



5.4767, 6.0983, 5.7778



9.4867, 17.7832, 2.9325



0.1100, 0.1800, 0.0289

Inverse Universe

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



14.8840, 10.3690, 26.4174



24.0777, 14.9978, 46.7537



16.9167, 11.5401, 20.9460



5.4802, 5.4358, 6.7891



9.3224, 4.2995, 23.3156



0.1107, 0.0522, 0.2239

Previews

White Background



This preview shows how the XYZ color 14.8468, 21.6656, 9.1937 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 14.8468, 21.6656, 9.1937 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

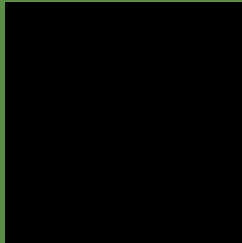
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 14.8468, 21.6656, 9.1937

Background



This preview shows how black text looks on a background with the XYZ color 14.8468, 21.6656, 9.1937.



This preview shows how white text looks on a background with the XYZ color 14.8468, 21.6656,

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

14.8468, 21.6656, 9.1937

Protanopia

19.6870, 21.4944, 8.2655

Deuteranopia

21.7471, 21.3956, 9.6402



Tritanopia

18.9011, 21.6135, 29.5612

Trichromacy



Original Color

14.8468, 21.6656, 9.1937

Protanomaly

17.4267, 21.3179, 8.5065

Deuteranomaly

18.4129, 21.0068, 9.3876

Tritanomaly

17.0520, 21.4893, 20.0787

Monochromacy



Original Color

14.8468, 21.6656, 9.1937

Achromatopsia

17.2197, 18.1164, 19.7288

Achromatomaly

15.9942, 19.0494, 15.1458

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.8468, 21.6656, 9.1937 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(90, 141, 70)` looks like.

```
.text, #text, p{  
    color:rgb(90, 141, 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(90, 141, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 141, 70) }
```

Border

The CSS property to change the border of an element to XYZ 14.8468, 21.6656, 9.1937 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(90, 141, 70) }
```


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

```
.border{ border-color:rgb(90, 141, 70) }
```

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

Here you see how a box with a 4 pixel `rgb(90, 141, 70)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 141, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 141, 70);  
box-shadow:4px 4px 4px 4px rgb(90, 141,  
70) }
```

Background

The CSS property to change the background color of an element to XYZ 14.8468, 21.6656, 9.1937 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 141, 70) }
```

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

```
.background{ background-color: rgb(90, 141,  
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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