

Converting Colors

XYZ(14.2993, 20.9315, 9.9256)

Have a look what the booklet for
XYZ(14.2993, 20.9315, 9.9256)
contains.

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Color

**XYZ(14.3404, 20.9517,
9.9449)**

Conversions

Conversions Part 1

Format	Color
Hex	568B4B
RGB	86, 139, 75
RGB Percent	34%, 55%, 29%
CMY	0.6627, 0.4549, 0.7059
CMYK	0.38, 0.00, 0.46, 0.45
HSL	110°, 30%, 42%
HSV	110°, 46%, 55%
XYZ	14.3404, 20.9517, 9.9449
YIQ	115.8570, -11.0440, -31.1400

Conversions

Conversions Part 2

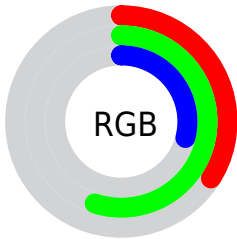
Format	Color
RYB	75, 139, 128
Decimal	5671755
CIELab	52.90, -30.79, 28.72
CIELCh	53, 42.102, 136.991
Yxy	20.9517, 0.3170, 0.4632
Android (android.graphics.Color)	4283861835 (0xFF568B4B)
YUV	115.8570, -20.1425, -26.1846
Hunter-Lab	45.7730, -24.1799, 19.1594

Details

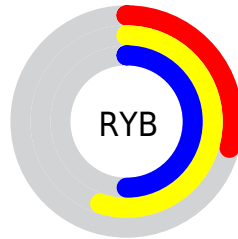
The XYZ color **14.3404, 20.9517, 9.9449** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **16.0794, 11.4861, 25.7968**, and the grayscale version is **16.6193, 17.4848, 19.0409**.

A 20% lighter version of the original color is **33.2529, 45.0239, 26.3399**, and **4.3925, 7.4206, 2.2994** is the 20% darker color. If you saturate the color by 10%, you get **12.9399, 20.2795, 7.6616**, and if you desaturate by 10%, it is **16.0166, 21.7553, 12.7847**.

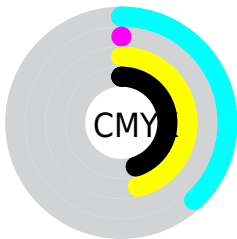
Distribution



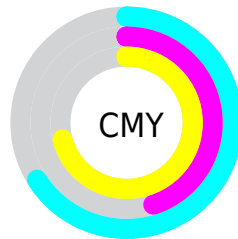
- Red (34%)
- Green (55%)
- Blue (29%)



- Red (29%)
- Yellow (55%)
- Blue (50%)



- Cyan (38%)
- Magenta (0%)
- Yellow (46%)
- Black (45%)



- Cyan (66%)
- Magenta (45%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 14.3404, 20.9517, 9.9449 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 14.3404, 20.9517, 9.9449 by changing the saturation by 10% instead.

■ 14.3404, 20.9517,
9.9449

■ 14.3404, 20.9517,
9.9449

212.8068,
257.0217, 200.7489

■ 8.4411, 13.0887,
5.2573

■ 33.2731, 45.0071,
26.2980

■ 4.4326, 7.4897,
2.3376

■ 47.0371, 61.9684,
38.8006

■ 1.9497, 3.7702,
0.7522

■ 64.1534, 82.7311,
54.7453

■ 0.6055, 1.5458,
0.0000

■ 84.9874, 107.6798,
74.5506

■ 0.0000, 0.3207,
0.0000

■ 109.9044,
137.1988, 98.6351

■ 0.0000, 0.0000,
0.0000

139.2697,

171.6725, 127.4172

173.4487,
211.4854, 161.3157

■ 14.3404, 20.9517,
9.9449

■ 14.3404, 20.9517,
9.9449

■ 12.9399, 20.2795,
7.6616

■ 16.0166, 21.7553,
12.7847

■ 11.7987, 19.7290,
5.8969

■ 17.9809, 22.6941,
16.2128

■ 10.9006, 19.2936,
4.6106


■ 20.2466, 23.7749,
20.2601


■ 10.2274, 18.9647,
3.7557


■ 22.8259, 25.0034,
24.9550


■ 9.7543, 18.7313,
3.2594


■ 25.7302, 26.3847,
30.3244

 9.6071, 18.6589,
3.0952

 28.9704, 27.9241,
36.3932

 32.5567, 29.6263,
43.1855

 36.4991, 31.4959,
50.7239

 40.8071, 33.5374,
59.0303

Harmonies

Analogous

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



17.5400, 20.9517, 6.5897



14.3404, 20.9517, 9.9449



12.7491, 20.9517, 17.7767

Triad

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



14.3404, 20.9517, 9.9449



18.0676, 20.9517, 55.5479



29.1618, 20.9517, 16.4333

Complementary

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



14.3404, 20.9517, 9.9449



16.0794, 11.4861, 25.7968

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.



29.3587, 20.9517, 28.7202



14.3404, 20.9517, 9.9449



22.4930, 20.9517, 54.7621

Square

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



14.3404, 20.9517, 9.9449



14.6774, 20.9517, 45.5447



26.7717, 20.9517, 43.6809



26.2679, 20.9517, 9.2752

Rectangle

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



14.3404, 20.9517, 9.9449



12.6347, 20.9517, 25.8945



26.7717, 20.9517, 43.6809



29.5591, 20.9517, 19.9859

Sweetspot

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



14.3409, 20.9526, 9.9454



37.0187, 42.9380, 37.6576



19.5422, 21.2457, 9.7278



8.3352, 9.8011, 8.3254



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.



14.3409, 20.9526, 9.9454



23.1374, 36.2986, 13.6647



14.2127, 20.7932, 14.1551



5.0468, 5.6469, 5.3764



8.6814, 16.8454, 2.7939



0.0663, 0.1164, 0.0190

Inverse Universe

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



16.0794, 11.4861, 25.7968



26.6202, 17.1794, 45.6559



16.4781, 11.8472, 18.7880



5.1510, 5.0863, 6.3161



10.6132, 4.9854, 22.4486



0.0808, 0.0384, 0.1496

Previews

White Background



This preview shows how the XYZ color 14.3404, 20.9517, 9.9449 looks on a white background.

Color Contrast Check

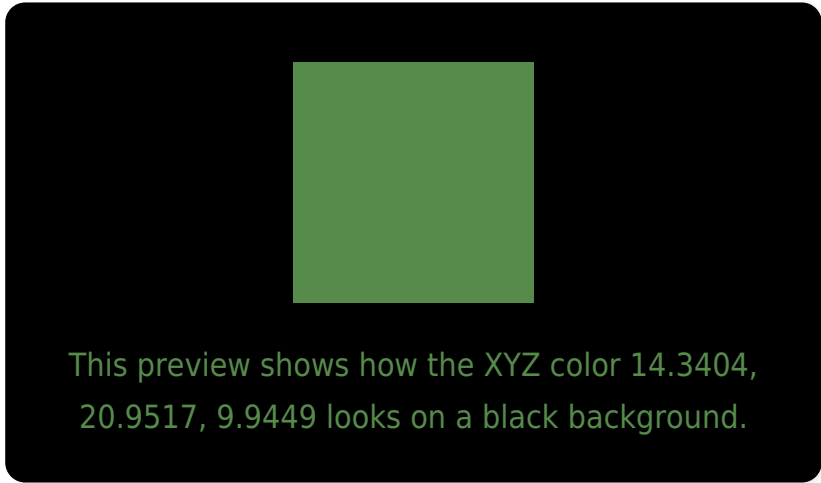
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 14.3404, 20.9517, 9.9449

Background



This preview shows how black text looks on a background with the XYZ color 14.3404, 20.9517, 9.9449.



This preview shows how white text looks on a background with the XYZ color 14.3404, 20.9517,

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

14.3404, 20.9517, 9.9449

Protanopia

19.0476, 20.7672, 8.7989

Deuteranopia

21.1133, 20.6875, 10.4697



Tritanopia

18.0358, 20.7823, 28.6520

Trichromacy



Original Color

14.3404, 20.9517, 9.9449

Protanomaly

16.8937, 20.6224, 9.2210

Deuteranomaly

17.8666, 20.3180, 10.1878

Tritanomaly

16.4112, 20.7379, 20.2774

Monochromacy



Original Color

14.3404, 20.9517, 9.9449

Achromatopsia

16.6002, 17.4647, 19.0191

Achromatomaly

15.3823, 18.3581, 15.0447

CSS Examples

Text

The CSS property to change the color of the text to XYZ 14.3404, 20.9517, 9.9449 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(86, 139, 75)` looks like.

```
.text, #text, p{  
    color:rgb(86, 139, 75)  
}
```

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(86, 139, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 139, 75) }
```

Border

The CSS property to change the border of an element to XYZ 14.3404, 20.9517, 9.9449 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(86, 139, 75) }
```


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

```
.border{ border-color:rgb(86, 139, 75) }
```

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

Here you see how a box with a 4 pixel rgb(86, 139, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 139, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 139, 75);  
box-shadow:4px 4px 4px 4px rgb(86, 139,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 14.3404, 20.9517, 9.9449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 139, 75) }
```

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

```
.background{ background-color: rgb(86, 139,  
75) }
```

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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