

Converting Colors

XYZ(20.6402, 14.0178, 20.2349)

Have a look what the booklet for
XYZ(20.6402, 14.0178, 20.2349)
contains.

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Color

**XYZ(20.6568, 14.0725,
20.3664)**

Conversions

Conversions Part 1

Format	Color
Hex	A04C7B
RGB	160, 76, 123
RGB Percent	63%, 30%, 48%
CMY	0.3725, 0.7019, 0.5176
CMYK	0.00, 0.52, 0.23, 0.37
HSL	326°, 36%, 46%
HSV	326°, 52%, 63%
XYZ	20.6568, 14.0725, 20.3664
YIQ	106.4740, 34.9770, 32.4250

Conversions

Conversions Part 2

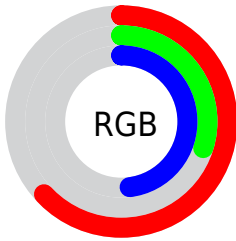
Format	Color
R_{YB}	160, 76, 123
Decimal	10505339
CIE _{Lab}	44.34, 40.54, -10.35
CIE _{LCh}	44, 41.844, 345.678
Yxy	14.0725, 0.3749, 0.2554
Android (android.graphics.Color)	4288695419 (0xFFA04C7B)
YUV	106.4740, 8.1473, 46.9423
Hunter-Lab	37.5133, 32.6431, -5.9299

Details

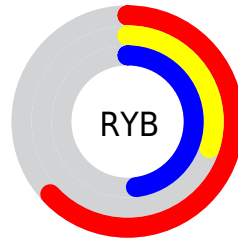
The XYZ color **20.6568, 14.0725, 20.3664** is a dark color, and the websafe version is hex **993366**. A complement of this color would be **18.5326, 27.8708, 20.0269**, and the grayscale version is **13.8017, 14.5205, 15.8128**.

A 20% lighter version of the original color is **44.0723, 33.2852, 44.6593**, and **7.5065, 4.2119, 6.8959** is the 20% darker color. If you saturate the color by 10%, you get **19.2630, 11.9657, 17.8028**, and if you desaturate by 10%, it is **22.3573, 16.7417, 23.1892**.

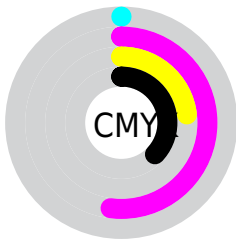
Distribution



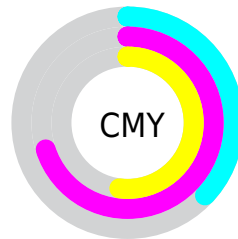
- Red (63%)
- Green (30%)
- Blue (48%)



- Red (63%)
- Yellow (30%)
- Blue (48%)



- Cyan (0%)
- Magenta (52%)
- Yellow (23%)
- Black (37%)



- Cyan (37%)
- Magenta (70%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.6568, 14.0725, 20.3664 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 20.6568, 14.0725, 20.3664 by changing the saturation by 10% instead.

■ 20.6568, 14.0725,
20.3664

■ 20.6568, 14.0725,
20.3664

248.2153,
217.6814, 266.5613

■ 12.9844, 8.1711,
12.4749

■ 44.0112, 33.2176,
44.8976

■ 7.4947, 4.2046,
6.9416

■ 60.4240, 47.2301,
62.3745

■ 3.8224, 1.7887,
3.3477

■ 80.4809, 64.7151,
83.8836

■ 1.6022, 0.4801,
1.2748

■ 104.5473, 86.0570,
109.8435

■ 0.3938, 0.0000,
0.0410

■ 132.9886,
111.6402, 140.6726

■ 0.0000, 0.0000,
0.0000

166.1701,

141.8491, 176.7896

204.4572,
177.0680, 218.6130

■ 20.6568, 14.0725,
20.3664

■ 20.6568, 14.0725,
20.3664

■ 19.2630, 11.9657,
17.8028

■ 22.3573, 16.7417,
23.1892

■ 18.1533, 10.3774,
15.4873

■ 24.3826, 20.0086,
26.2801

■ 17.3038, 9.2608,
13.4086

■ 26.7506, 23.9081,
29.6483

■ 16.6857, 8.5594,
11.5536

■ 29.4776, 28.4718,
33.3021

■ 16.3224, 8.2037,
10.2894

■ 32.5788, 33.7290,
37.2496

■ 36.0685, 39.7076,
41.4984

■ 39.9603, 46.4336,
46.0557

■ 44.2669, 53.9319,
50.9286

■ 49.0007, 62.2261,
56.1239

Harmonies

Analogous

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



18.5464, 14.0725, 32.2117



20.6568, 14.0725, 20.3664



20.6040, 14.0725, 10.8494

Triad

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



20.6568, 14.0725, 20.3664



11.7056, 14.0725, 3.5249



9.3528, 14.0725, 32.7225

Complementary

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



20.6568, 14.0725, 20.3664



18.5326, 27.8708, 20.0269

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.



8.0728, 14.0725, 20.8820



20.6568, 14.0725, 20.3664



9.2679, 14.0725, 5.6945

Square

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



20.6568, 14.0725, 20.3664



15.0369, 14.0725, 3.4825



8.0445, 14.0725, 11.1889



11.8412, 14.0725, 41.1269

Rectangle

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



20.6568, 14.0725, 20.3664



19.3350, 14.0725, 6.8707



8.0445, 14.0725, 11.1889



8.7867, 14.0725, 28.8342

Sweetspot

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



20.6572, 14.0732, 20.3667



51.5568, 48.3925, 57.8761



15.6634, 11.1788, 34.5901



11.0989, 10.2645, 12.4143



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.6572, 14.0732, 20.3667



34.5942, 21.1659, 31.5709



18.5900, 13.2463, 9.4809



6.7806, 6.7052, 7.6958



12.7373, 6.3995, 8.1334



0.2488, 0.1229, 0.2564

Inverse Universe

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



20.6572, 14.0732, 20.3667



34.5942, 21.1659, 31.5709



21.4179, 29.0249, 35.2207



6.7806, 6.7052, 7.6958



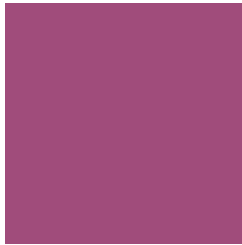
12.7373, 6.3995, 8.1334



0.2488, 0.1229, 0.2564

Previews

White Background



This preview shows how the XYZ color 20.6568, 14.0725, 20.3664 looks on a white background.

Color Contrast Check

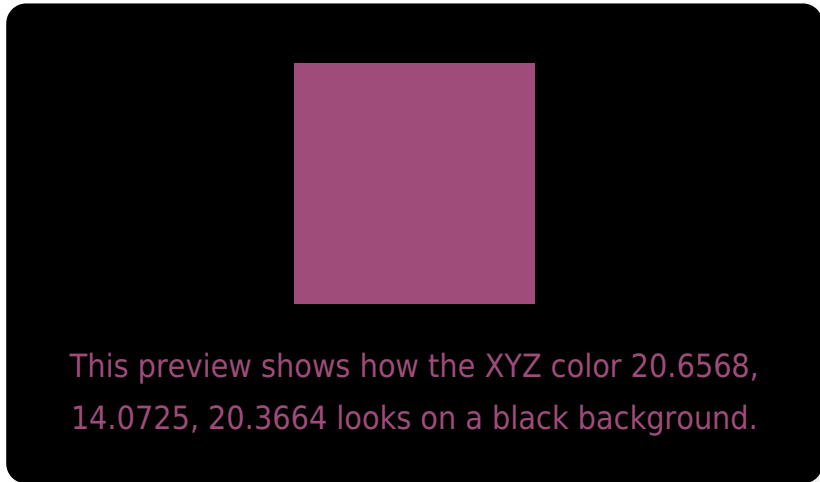
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

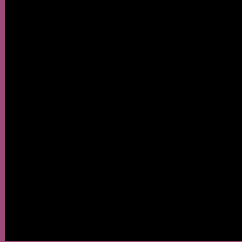
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 20.6568, 14.0725, 20.3664

Background



This preview shows how black text looks on a background with the XYZ color 20.6568, 14.0725, 20.3664.



This preview shows how white text looks on a background with the XYZ color 20.6568, 14.0725,

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

20.6568, 14.0725, 20.3664

Protanopia

14.5243, 14.2635, 27.9742

Deuteranopia

14.4867, 14.2836, 19.4462



Tritanopia

18.8011, 14.0759, 11.1772

Trichromacy



Original Color

20.6568, 14.0725, 20.3664

Protanomaly

15.9179, 13.6345, 25.0853

Deuteranomaly

16.2066, 13.7740, 19.5738

Tritanomaly

19.3182, 13.9460, 13.9856

Monochromacy



Original Color

20.6568, 14.0725, 20.3664

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

15.6210, 13.7899, 17.1676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.6568, 14.0725, 20.3664 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(160, 76, 123)` looks like.

```
.text, #text, p{  
    color:rgb(160, 76, 123)  
}
```

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(160, 76, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 76, 123) }
```

Border

The CSS property to change the border of an element to XYZ 20.6568, 14.0725, 20.3664 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(160, 76, 123) }
```


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

```
.border{ border-color:rgb(160, 76, 123) }
```

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

Here you see how a box with a 4 pixel rgb(160, 76, 123) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 76, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 76, 123);  
box-shadow:4px 4px 4px 4px rgb(160, 76,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 20.6568, 14.0725, 20.3664 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 76, 123) }
```

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

```
.background{ background-color: rgb(160, 76,  
123) }
```

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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