

Converting Colors

XYZ(20.7743, 23.7414, 34.0595)

Have a look what the booklet for
XYZ(20.7743, 23.7414, 34.0595)
contains.

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Color

**XYZ(20.7743, 23.7414,
34.0595)**

Conversions

Conversions Part 1

Format	Color
Hex	688B9A
RGB	104, 139, 154
RGB Percent	41%, 55%, 60%
CMY	0.5921, 0.4549, 0.3961
CMYK	0.32, 0.10, 0.00, 0.40
HSL	198°, 20%, 51%
HSV	198°, 32%, 60%
XYZ	20.7743, 23.7414, 34.0595
YIQ	130.2450, -25.6750, -2.7550

Conversions

Conversions Part 2

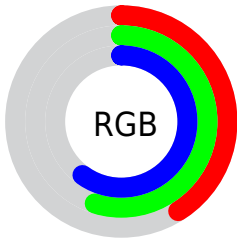
Format	Color
RYB	104, 125, 154
Decimal	6851482
CIELab	55.83, -8.42, -11.92
CIElCh	56, 14.597, 234.777
Yxy	23.7414, 0.2644, 0.3021
Android (android.graphics.Color)	4285041562 (0xFF688B9A)
YUV	130.2450, 11.7112, -23.0169
Hunter-Lab	48.7251, -9.1643, -7.3369

Details

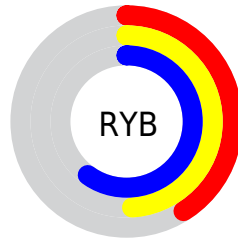
The XYZ color **20.7743, 23.7414, 34.0595** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.4223, 21.0635, 15.9812**, and the grayscale version is **21.2717, 22.3795, 24.3713**.

A 20% lighter version of the original color is **44.1394, 49.4214, 66.8874**, and **7.5419, 8.9083, 14.1539** is the 20% darker color. If you saturate the color by 10%, you get **18.4927, 21.5936, 33.7656**, and if you desaturate by 10%, it is **23.4121, 26.1159, 34.3792**.

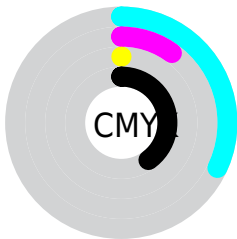
Distribution



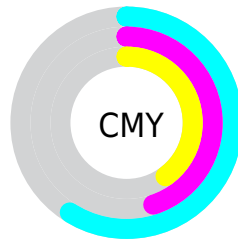
- Red (41%)
- Green (55%)
- Blue (60%)



- Red (41%)
- Yellow (49%)
- Blue (60%)



- Cyan (32%)
- Magenta (10%)
- Yellow (0%)
- Black (40%)



- Cyan (59%)
- Magenta (45%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.7743, 23.7414, 34.0595 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 20.7743, 23.7414, 34.0595 by changing the saturation by 10% instead.

■ 20.7743, 23.7414,
34.0595

■ 20.7743, 23.7414,
34.0595

248.8311,
271.5105, 335.1745

■ 13.0706, 15.1419,
22.6616

■ 44.2057, 49.6079,
67.1611

■ 7.5545, 8.9190,
14.1409

■ 60.6642, 67.6436,
89.7019

■ 3.8606, 4.6884,
8.0788

■ 80.7716, 89.5936,
116.7941

■ 1.6236, 2.0656,
4.0569

■ 104.8934,
115.8422, 148.8562

■ 0.4077, 0.6452,
1.6566

133.3949,
146.7738, 186.3068

■ 0.0000, 0.0000,
0.3308

166.6414,

■ 0.0000, 0.0000,

182.7728, 229.5643

0.0000

204.9984,
224.2235, 279.0474

■ 20.7743, 23.7414,
34.0595

■ 20.7743, 23.7414,
34.0595

■ 18.4927, 21.5936,
33.7656

■ 23.4121, 26.1159,
34.3792

■ 16.5470, 19.6599,
33.4949

■ 26.4207, 28.7235,
34.7239

■ 14.9181, 17.9304,
33.2469

■ 29.8164, 31.5736,
35.0951

■ 13.5839, 16.3932,
33.0205

■ 33.6141, 34.6744,
35.4934

■ 12.5192, 15.0349,
32.8145

■ 37.8277, 38.0335,
35.9197

■ 11.6945, 13.8396,
32.6272

■ 42.4703, 41.6582,
36.3747

■ 11.1748, 13.0171,
32.4958

■ 47.5547, 45.5554,
36.8590

■ 53.0930, 49.7320,
37.3732

■ 59.0967, 54.1943,
37.9181

Harmonies

Analogous

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



19.7899, 23.7414, 29.8734



20.7743, 23.7414, 34.0595



22.2762, 23.7414, 36.0632

Triad

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



20.7743, 23.7414, 34.0595



25.8954, 23.7414, 26.6913



21.2542, 23.7414, 18.4077

Complementary

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



20.7743, 23.7414, 34.0595



22.4223, 21.0635, 15.9812

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.



22.8573, 23.7414, 17.7743



20.7743, 23.7414, 34.0595



25.5891, 23.7414, 22.2057

Square

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



20.7743, 23.7414, 34.0595



25.2745, 23.7414, 31.4887



24.4568, 23.7414, 19.0792



20.0573, 23.7414, 20.9287

Rectangle

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



20.7743, 23.7414, 34.0595



23.3894, 23.7414, 35.7341



24.4568, 23.7414, 19.0792



21.7612, 23.7414, 17.9811

Sweetspot

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



20.7750, 23.7423, 34.0600



49.3297, 53.3118, 63.2265



20.5450, 27.3667, 21.3916



10.9899, 11.9179, 14.2915



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



20.7750, 23.7423, 34.0600



34.6445, 40.2347, 61.4764



17.6540, 17.5003, 33.0197



6.2281, 6.7135, 7.8966



9.1365, 10.6696, 26.4856



0.1679, 0.2222, 0.4064

Inverse Universe

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



22.9376, 18.6354, 26.8152



39.3013, 29.8269, 45.7433



25.6731, 27.5650, 17.0648



6.3822, 6.2921, 7.3930



13.0704, 6.4824, 12.1619



0.2112, 0.1032, 0.2651

Previews

White Background



This preview shows how the XYZ color 20.7743, 23.7414, 34.0595 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 20.7743, 23.7414, 34.0595 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

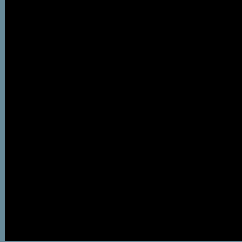
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.7743, 23.7414, 34.0595

Background



This preview shows how black text looks on a background with the XYZ color 20.7743, 23.7414, 34.0595.



This preview shows how white text looks on a background with the XYZ color 20.7743, 23.7414,

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

20.7743, 23.7414, 34.0595

Protanopia

23.1164, 23.5298, 32.1775

Deuteranopia

24.1367, 23.5998, 34.7356



Tritanopia

20.5575, 23.8741, 32.8028

Trichromacy



Original Color

20.7743, 23.7414, 34.0595

Protanomaly

22.1350, 23.6273, 32.6720

Deuteranomaly

22.6161, 23.4267, 34.3402

Tritanomaly

20.6391, 23.9067, 33.2324

Monochromacy



Original Color

20.7743, 23.7414, 34.0595

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

20.9329, 22.7041, 27.7051

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.7743, 23.7414, 34.0595 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(104, 139, 154)` looks like.

```
.text, #text, p{  
    color:rgb(104, 139, 154)  
}
```

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(104, 139, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 139, 154) }
```

Border

The CSS property to change the border of an element to XYZ 20.7743, 23.7414, 34.0595 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(104, 139, 154) }
```


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

```
.border{ border-color:rgb(104, 139, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 139, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 139, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 139, 154);  
box-shadow:4px 4px 4px 4px rgb(104, 139,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 20.7743, 23.7414, 34.0595 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 139, 154) }
```

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

```
.background{ background-color: rgb(104,  
139, 154) }
```

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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