

Converting Colors

XYZ(21.6805, 24.2024, 31.5808)

Have a look what the booklet for
XYZ(21.6805, 24.2024, 31.5808)
contains.

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Color

**XYZ(21.7804, 24.3164,
31.5626)**

Conversions

Conversions Part 1

Format	Color
Hex	748B94
RGB	116, 139, 148
RGB Percent	45%, 55%, 58%
CMY	0.5451, 0.4549, 0.4196
CMYK	0.22, 0.06, 0.00, 0.42
HSL	197°, 13%, 52%
HSV	197°, 22%, 58%
XYZ	21.7804, 24.3164, 31.5626
YIQ	133.1490, -16.5970, -2.0770

Conversions

Conversions Part 2

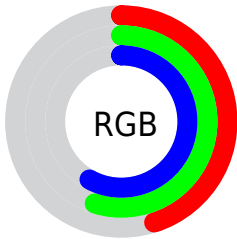
Format	Color
R_{YB}	116, 129, 148
Decimal	7637908
CIE _{Lab}	56.40, -6.11, -7.53
CIE _{LCh}	56, 9.699, 230.932
Yxy	24.3164, 0.2805, 0.3131
Android (android.graphics.Color)	4285827988 (0xFF748B94)
YUV	133.1490, 7.3215, -15.0397
Hunter-Lab	49.3117, -7.4540, -3.4312

Details

The XYZ color **21.7804, 24.3164, 31.5626** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.6990, 22.2241, 19.6168**, and the grayscale version is **22.3277, 23.4905, 25.5811**.

A 20% lighter version of the original color is **45.6588, 50.2884, 63.1773**, and **8.0448, 9.2011, 12.6612** is the 20% darker color. If you saturate the color by 10%, you get **19.3767, 22.2002, 31.2812**, and if you desaturate by 10%, it is **24.5220, 26.6421, 31.8674**.

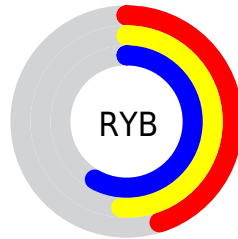
Distribution



Red (45%)

Green (55%)

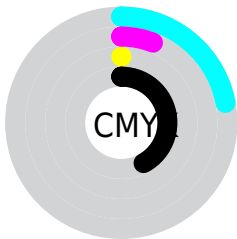
Blue (58%)



Red (45%)

Yellow (51%)

Blue (58%)

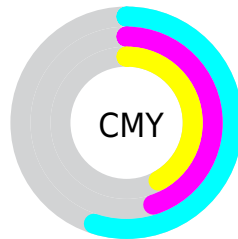


Cyan (22%)

Magenta (6%)

Yellow (0%)

Black (42%)



Cyan (55%)

Magenta (45%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7804, 24.3164, 31.5626 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 21.7804, 24.3164, 31.5626 by changing the saturation by 10% instead.

■ 21.7804, 24.3164,
31.5626

■ 21.7804, 24.3164,
31.5626

254.0513,
274.4162, 323.5530

■ 13.8113, 15.5685,
20.7656

■ 45.8643, 50.5460,
63.2147

■ 8.0704, 9.2193,
12.7632

■ 62.7099, 68.7965,
84.9068

■ 4.1922, 4.8845,
7.1369

■ 83.2450, 90.9834,
111.0677

■ 1.8114, 2.1797,
3.4681

107.8351,
117.4909, 142.1160

■ 0.5245, 0.7089,
1.3383

136.8453,
148.7036, 178.4701

■ 0.0000, 0.0000,
0.0929

170.6412,

■ 0.0000, 0.0000,

185.0058, 220.5486

0.0000

209.5881,
226.7818, 268.7701

■ 21.7804, 24.3164,
31.5626

■ 21.7804, 24.3164,
31.5626

■ 19.3767, 22.2002,
31.2812

■ 24.5220, 26.6421,
31.8674

■ 17.2935, 20.2824,
31.0208

■ 27.6133, 29.1818,
32.1947

■ 15.5155, 18.5551,
30.7812

■ 31.0684, 31.9439,
32.5457

■ 14.0248, 17.0089,
30.5613

■ 34.8998, 34.9351,
32.9211

■ 12.8016, 15.6332,
30.3602

■ 39.1193, 38.1619,
33.3216

■ 11.8237, 14.4160,
30.1768

■ 43.7384, 41.6305,
33.7476

■ 11.0647, 13.3433,
30.0098

■ 48.7679, 45.3469,
34.1999

■ 10.5391, 12.5256,
29.8796

■ 54.2184, 49.3168,
34.6789

■ 60.0999, 53.5458,
35.1852

Harmonies

Analogous

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



21.1573, 24.3164, 28.7430



21.7804, 24.3164, 31.5626



22.7741, 24.3164, 33.0500

Triad

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



21.7804, 24.3164, 31.5626



25.3059, 24.3164, 27.4610



22.3507, 24.3164, 21.1207

Complementary

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



21.7804, 24.3164, 31.5626



22.6990, 22.2241, 19.6168

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.



23.4533, 24.3164, 20.8380



21.7804, 24.3164, 31.5626



25.1836, 24.3164, 24.3323

Square

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



21.7804, 24.3164, 31.5626



24.8257, 24.3164, 30.5593



24.4968, 24.3164, 21.9683



21.4791, 24.3164, 22.7745

Rectangle

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



21.7804, 24.3164, 31.5626



23.5231, 24.3164, 33.0096



24.4968, 24.3164, 21.9683



22.7057, 24.3164, 20.8677

Sweetspot

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



21.7811, 24.3174, 31.5632



46.1898, 49.4253, 56.5402



21.4648, 26.3621, 23.2037



10.4724, 11.2238, 12.8993



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



21.7811, 24.3174, 31.5632



36.2806, 41.0316, 55.4423



19.6892, 20.1336, 30.8659



5.8277, 6.2894, 7.3766



9.0257, 10.7461, 25.5295



0.1355, 0.1815, 0.3208

Inverse Universe

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



23.1189, 20.6513, 27.1949



39.1138, 33.4988, 46.1394



24.8218, 26.4698, 20.3244



5.9665, 5.8817, 6.9296



12.6828, 6.2782, 12.3426



0.1678, 0.0819, 0.2175

Previews

White Background



This preview shows how the XYZ color 21.7804, 24.3164, 31.5626 looks on a white background.

Color Contrast Check

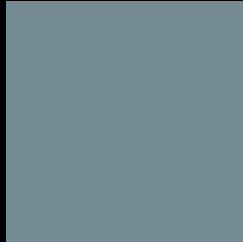
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7804, 24.3164, 31.5626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

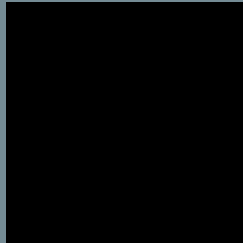
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

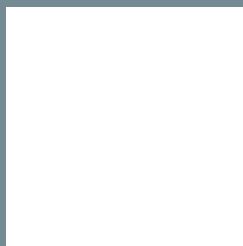
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7804, 24.3164, 31.5626

Background



This preview shows how black text looks on a background with the XYZ color 21.7804, 24.3164, 31.5626.



This preview shows how white text looks on a background with the XYZ color 21.7804, 24.3164,

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

21.7804, 24.3164, 31.5626

Protanopia

23.4674, 24.1629, 30.2151

Deuteranopia

24.6058, 24.0973, 32.2085



Tritanopia

21.9401, 24.3802, 32.4037

Trichromacy



Original Color

21.7804, 24.3164, 31.5626

Protanomaly

22.7449, 24.1957, 30.6656

Deuteranomaly

23.4656, 24.1257, 31.8537

Tritanomaly

21.8599, 24.3482, 31.9813

Monochromacy



Original Color

21.7804, 24.3164, 31.5626

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.0038, 23.6749, 27.4548

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7804, 24.3164, 31.5626 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(116, 139, 148)` looks like.

```
.text, #text, p{  
    color:rgb(116, 139, 148)  
}
```

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(116, 139, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 139, 148) }
```

Border

The CSS property to change the border of an element to XYZ 21.7804, 24.3164, 31.5626 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(116, 139, 148) }
```


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

```
.border{ border-color:rgb(116, 139, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 139, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 139, 148); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 139, 148); box-shadow:4px 4px 4px 4px rgb(116, 139, 148) }
```

Background

The CSS property to change the background color of an element to XYZ 21.7804, 24.3164, 31.5626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 139, 148) }
```

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

```
.background{ background-color: rgb(116,  
139, 148) }
```

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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