

Converting Colors

XYZ(20.9721, 24.2193, 34.0828)

Have a look what the booklet for
XYZ(20.9721, 24.2193, 34.0828)
contains.

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Color

**XYZ(21.0665, 24.3259,
34.1569)**

Conversions

Conversions Part 1

Format	Color
Hex	688D9A
RGB	104, 141, 154
RGB Percent	41%, 55%, 60%
CMY	0.5921, 0.4470, 0.3961
CMYK	0.32, 0.08, 0.00, 0.40
HSL	196°, 20%, 51%
HSV	196°, 32%, 60%
XYZ	21.0665, 24.3259, 34.1569
YIQ	131.4190, -26.2250, -3.8010

Conversions

Conversions Part 2

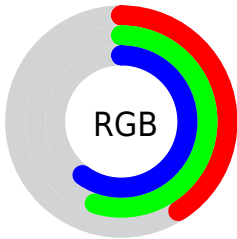
Format	Color
RYB	104, 125, 154
Decimal	6851994
CIELab	56.41, -9.53, -11.05
CIElCh	56, 14.591, 229.202
Yxy	24.3259, 0.2648, 0.3058
Android (android.graphics.Color)	4285042074 (0xFF688D9A)
YUV	131.4190, 11.1324, -24.0465
Hunter-Lab	49.3213, -10.0699, -6.5357

Details

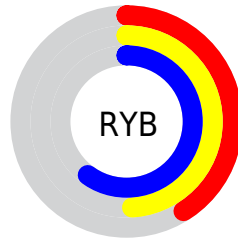
The XYZ color **21.0665, 24.3259, 34.1569** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.1867, 20.5922, 15.9025**, and the grayscale version is **21.6919, 22.8216, 24.8527**.

A 20% lighter version of the original color is **44.8049, 50.7524, 67.1092**, and **7.7106, 9.2457, 14.2102** is the 20% darker color. If you saturate the color by 10%, you get **18.8601, 22.3284, 33.8881**, and if you desaturate by 10%, it is **23.6222, 26.5363, 34.4493**.

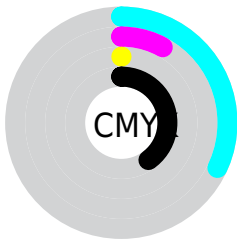
Distribution



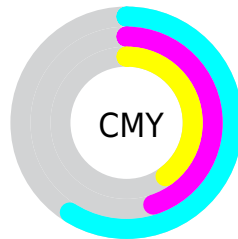
- Red (41%)
- Green (55%)
- Blue (60%)



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



- Cyan (32%)
- Magenta (8%)
- Yellow (0%)
- Black (40%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.0665, 24.3259, 34.1569 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 21.0665, 24.3259, 34.1569 by changing the saturation by 10% instead.

■ 21.0665, 24.3259,
34.1569

■ 21.0665, 24.3259,
34.1569

250.3567,
274.4640, 335.6216

■ 13.2854, 15.5756,
22.7358

■ 44.6886, 50.5615,
67.3143

■ 7.7037, 9.2243,
14.1951

■ 61.2603, 68.8155,
89.8876

■ 3.9561, 4.8878,
8.1162

■ 81.4929, 91.0063,
117.0155

■ 1.6774, 2.1816,
4.0805

■ 105.7517,
117.5181, 149.1165

■ 0.4420, 0.7099,
1.6696

134.4022,
148.7354, 186.6090

■ 0.0000, 0.0000,
0.3398

167.8096,

■ 0.0000, 0.0000,

185.0425, 229.9117

0.0000

206.3393,
226.8239, 279.4430

■ 21.0665, 24.3259,
34.1569

■ 21.0665, 24.3259,
34.1569

■ 18.8601, 22.3284,
33.8881

■ 23.6222, 26.5363,
34.4493

■ 16.9827, 20.5314,
33.6401

■ 26.5417, 28.9656,
34.7643

■ 15.4154, 18.9252,
33.4127

■ 29.8412, 31.6232,
35.1034

■ 14.1363, 17.4982,
33.2047

■ 33.5353, 34.5169,
35.4672

■ 13.1204, 16.2373,
33.0149

■ 37.6379, 37.6541,
35.8565

■ 12.3381, 15.1267,
32.8417

■ 42.1621, 41.0419,
36.2720

■ 11.8462, 14.3600,
32.7197

■ 47.1204, 44.6870,
36.7142

■ 52.5249, 48.5961,
37.1839

■ 58.3870, 52.7752,
37.6816

Harmonies

Analogous

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



20.1922, 24.3259, 29.6600



21.0665, 24.3259, 34.1569



22.5189, 24.3259, 36.6958

Triad

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



21.0665, 24.3259, 34.1569



26.4546, 24.3259, 28.2648



22.0709, 24.3259, 18.6495

Complementary

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



21.0665, 24.3259, 34.1569



22.1867, 20.5922, 15.9025

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.



23.7338, 24.3259, 18.3721



21.0665, 24.3259, 34.1569



26.3203, 24.3259, 23.5484

Square

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



21.0665, 24.3259, 34.1569



25.6636, 24.3259, 33.0293



25.3050, 24.3259, 20.0605



20.7523, 24.3259, 20.8708

Rectangle

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



21.0665, 24.3259, 34.1569



23.6435, 24.3259, 36.7516



25.3050, 24.3259, 20.0605



22.6064, 24.3259, 18.3369

Sweetspot

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



21.0672, 24.3269, 34.1575



49.5113, 53.6749, 63.2871



20.4466, 27.3274, 20.8735



11.0360, 12.0102, 14.3069



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.



21.0672, 24.3269, 34.1575



35.2766, 41.4988, 61.6871



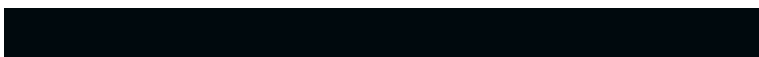
17.8453, 17.8831, 33.0835



6.2486, 6.7546, 7.9034



9.6812, 11.7591, 26.6672



0.1735, 0.2332, 0.4082

Inverse Universe

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



23.0850, 18.6943, 27.5920



39.6203, 29.9545, 47.4233



25.4243, 27.0675, 16.9818



6.3926, 6.2962, 7.4476



13.3454, 6.5924, 13.6098



0.2140, 0.1044, 0.2798

Previews

White Background



This preview shows how the XYZ color 21.0665, 24.3259, 34.1569 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 21.0665, 24.3259, 34.1569 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

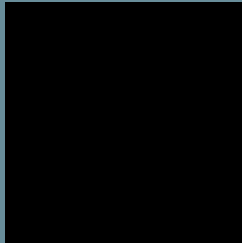
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

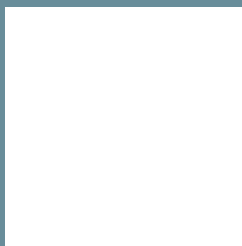
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.0665, 24.3259, 34.1569

Background



This preview shows how black text looks on a background with the XYZ color 21.0665, 24.3259, 34.1569.



This preview shows how white text looks on a background with the XYZ color 21.0665, 24.3259,

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

21.0665, 24.3259, 34.1569

Protanopia

23.6228, 24.2067, 31.8611

Deuteranopia

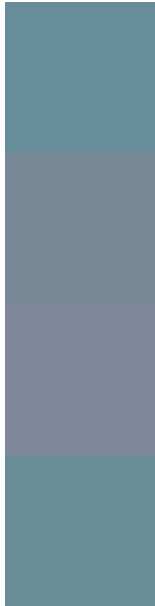
24.7332, 24.3061, 34.8405



Tritanopia

20.9836, 24.2927, 33.7200

Trichromacy



Original Color

21.0665, 24.3259, 34.1569

Protanomaly

22.5576, 24.2633, 32.7725

Deuteranomaly

23.1846, 24.1301, 34.4460

Tritanomaly

20.9836, 24.2927, 33.7200

Monochromacy



Original Color

21.0665, 24.3259, 34.1569

Achromatopsia

21.5731, 22.6966, 24.7166

Achromatomaly

21.2093, 23.2570, 27.7973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.0665, 24.3259, 34.1569 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, 141, 154)` looks like.

```
.text, #text, p{  
    color:rgb(104, 141, 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, 141, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 141, 154) }
```

Border

The CSS property to change the border of an element to XYZ 21.0665, 24.3259, 34.1569 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, 141, 154) }
```


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

```
.border{ border-color:rgb(104, 141, 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, 141, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 141, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 141, 154);  
box-shadow:4px 4px 4px 4px rgb(104, 141,  
154) }
```

Background

The CSS property to change the background color of an element to XYZ 21.0665, 24.3259, 34.1569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 141, 154) }
```

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

```
.background{ background-color: rgb(104,  
141, 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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