

Converting Colors

XYZ(19.7163, 20.3697, 24.7800)

Have a look what the booklet for
XYZ(19.7163, 20.3697, 24.7800)
contains.

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Color

**XYZ(19.6847, 20.3663,
24.7234)**

Conversions

Conversions Part 1

Format	Color
Hex	7C7C84
RGB	124, 124, 132
RGB Percent	49%, 49%, 52%
CMY	0.5137, 0.5137, 0.4823
CMYK	0.06, 0.06, 0.00, 0.48
HSL	240°, 3%, 50%
HSV	240°, 6%, 52%
XYZ	19.6847, 20.3663, 24.7234
YIQ	124.9120, -2.5680, 2.4880

Conversions

Conversions Part 2

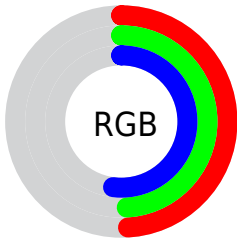
Format	Color
RYB	124, 124, 132
Decimal	8158340
CIELab	52.25, 1.65, -4.34
CIElCh	52, 4.646, 290.773
Yxy	20.3663, 0.3039, 0.3144
Android (android.graphics.Color)	4286348420 (0xFF7C7C84)
YUV	124.9120, 3.4944, -0.7998
Hunter-Lab	45.1290, -1.1164, -0.8910

Details

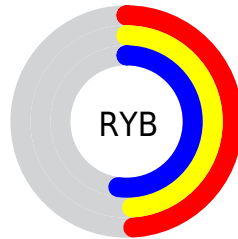
The XYZ color **19.6847, 20.3663, 24.7234** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **21.4052, 22.8632, 22.3541**, and the grayscale version is **19.4531, 20.4662, 22.2877**.

A 20% lighter version of the original color is **42.4138, 43.9006, 52.1372**, and **6.9791, 7.1525, 9.1964** is the 20% darker color. If you saturate the color by 10%, you get **16.3587, 16.3590, 24.1255**, and if you desaturate by 10%, it is **23.4887, 24.9497, 25.4079**.

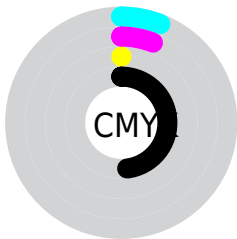
Distribution



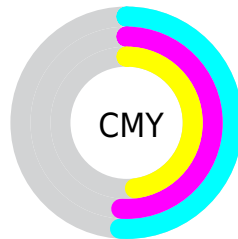
- Red (49%)
- Green (49%)
- Blue (52%)



- Red (49%)
- Yellow (49%)
- Blue (52%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (48%)



- Cyan (51%)
- Magenta (51%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6847, 20.3663, 24.7234 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 19.6847, 20.3663, 24.7234 by changing the saturation by 10% instead.

■ 19.6847, 20.3663,
24.7234

■ 19.6847, 20.3663,
24.7234

243.0693,
253.8913, 289.8611

■ 12.2730, 12.6616,
15.6540

■ 42.3959, 44.0305,
52.1667

■ 7.0034, 7.1959,
9.1279

■ 58.4261, 60.7587,
71.3776

■ 3.5106, 3.5849,
4.7268

■ 78.0599, 81.2636,
94.8061

■ 1.4292, 1.4442,
2.0319

101.6625,
105.9295, 122.8707

■ 0.2769, 0.2490,
0.5748

129.5995,
135.1408, 155.9900

■ 0.0000, 0.0000,
0.0000

162.2360,

169.2820, 194.5824

199.9375,
208.7373, 239.0666

■ 19.6847, 20.3663,
24.7234

■ 19.6847, 20.3663,
24.7234

■ 16.3587, 16.3590,
24.1255

■ 23.4887, 24.9497,
25.4079

■ 13.4901, 12.9026,
23.6096

■ 27.7866, 30.1280,
26.1809

■ 11.0593, 9.9739,
23.1724

■ 32.5958, 35.9225,
27.0459

■ 9.0450, 7.5468,
22.8101

■ 37.9325, 42.3523,
28.0057

■ 7.4237, 5.5932,
22.5184

■ 43.8119, 49.4361,
29.0631

6.1698, 4.0822,
22.2929

50.2489, 57.1915,
30.2208

5.2546, 2.9794,
22.1282

57.2575, 65.6357,
31.4813

4.6451, 2.2449,
22.0186

64.8514, 74.7850,
32.8470

4.2867, 1.8130,
21.9541

73.0437, 84.6554,
34.3204

Harmonies

Analogous

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



19.2109, 20.3663, 24.8708



19.6847, 20.3663, 24.7234



20.0768, 20.3663, 23.8785

Triad

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



19.6847, 20.3663, 24.7234



19.9434, 20.3663, 20.2021



18.4662, 20.3663, 21.7569

Complementary

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



19.6847, 20.3663, 24.7234



21.4052, 22.8632, 22.3541

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.



18.6557, 20.3663, 20.5553



19.6847, 20.3663, 24.7234



19.5050, 20.3663, 19.6822

Square

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



19.6847, 20.3663, 24.7234



20.2279, 20.3663, 21.2567



19.0341, 20.3663, 19.8088



18.5125, 20.3663, 23.1202

Rectangle

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



19.6847, 20.3663, 24.7234



20.2366, 20.3663, 23.0518



19.0341, 20.3663, 19.8088



18.5043, 20.3663, 21.3216

Sweetspot

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



19.6853, 20.3672, 24.7238



37.2627, 38.9939, 44.0158



20.7196, 22.4503, 25.0236



8.6971, 9.1046, 10.2517



64.0503, 67.3860, 73.3833



8.9945, 9.4630, 10.3052

Same Dimension

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



19.6853, 20.3672, 24.7238



33.9925, 35.0537, 43.4276



20.2549, 20.6605, 24.7505



4.5850, 4.7260, 5.8713



4.0329, 1.6136, 21.2356



0.0140, 0.0056, 0.0736

Inverse Universe

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



20.3619, 20.7765, 22.0068



35.3900, 35.8992, 37.8161



20.8119, 22.5577, 22.3264



4.7778, 4.8426, 5.0974



9.2137, 4.7498, 0.4319



0.0319, 0.0165, 0.0015

Previews

White Background



This preview shows how the XYZ color 19.6847, 20.3663, 24.7234 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 19.6847, 20.3663, 24.7234 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

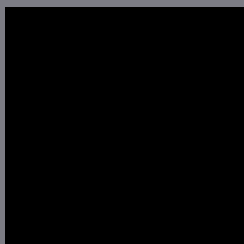
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

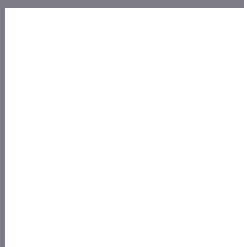
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.6847, 20.3663, 24.7234

Background



This preview shows how black text looks on a background with the XYZ color 19.6847, 20.3663, 24.7234.



This preview shows how white text looks on a background with the XYZ color 19.6847, 20.3663,

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

19.6847, 20.3663, 24.7234

Protanopia

19.8300, 20.4412, 24.7302

Deuteranopia

20.7439, 20.3547, 25.0258



Tritanopia

19.8229, 20.4216, 25.4512

Trichromacy

**Original Color**

19.6847, 20.3663, 24.7234

Protanomaly

19.8300, 20.4412, 24.7302

Deuteranomaly

20.3991, 20.3583, 25.0447

Tritanomaly

19.7535, 20.3938, 25.0856

Monochromacy

**Original Color**

19.6847, 20.3663, 24.7234

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.6873, 20.5857, 23.3579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6847, 20.3663, 24.7234 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(124, 124, 132)` looks like.

```
.text, #text, p{  
    color:rgb(124, 124, 132)  
}
```

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(124, 124, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 124, 132) }
```

Border

The CSS property to change the border of an element to XYZ 19.6847, 20.3663, 24.7234 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(124, 124, 132) }
```


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

```
.border{ border-color:rgb(124, 124, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 124, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(124, 124, 132); -webkit-box-shadow:4px 4px 4px 4px rgb(124, 124, 132); box-shadow:4px 4px 4px 4px rgb(124, 124, 132) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6847, 20.3663, 24.7234 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 124, 132) }
```

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

```
.background{ background-color: rgb(124,  
124, 132) }
```

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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