

Converting Colors

XYZ(20.3298, 20.2784, 27.3114)

Have a look what the booklet for
XYZ(20.3298, 20.2784, 27.3114)
contains.

XYZ(20.3721, 20.2952, 27.2697)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(20.3721, 20.2952,
27.2697)**

Conversions

Conversions Part 1

Format	Color
Hex	7F7A8B
RGB	127, 122, 139
RGB Percent	50%, 48%, 55%
CMY	0.5020, 0.5216, 0.4549
CMYK	0.09, 0.12, 0.00, 0.45
HSL	258°, 7%, 51%
HSV	258°, 12%, 55%
XYZ	20.3721, 20.2952, 27.2697
YIQ	125.4330, -2.4770, 6.3470

Conversions

Conversions Part 2

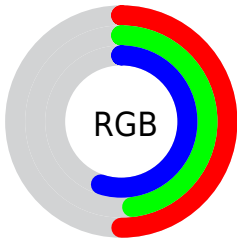
Format	Color
R_{YB}	127, 122, 139
Decimal	8354443
CIE Lab	52.17, 5.39, -8.53
CIE LCh	52, 10.096, 302.298
Yxy	20.2952, 0.2999, 0.2987
Android (android.graphics.Color)	4286544523 (0xFF7F7A8B)
YUV	125.4330, 6.6885, 1.3743
Hunter-Lab	45.0502, 1.8815, -4.3542

Details

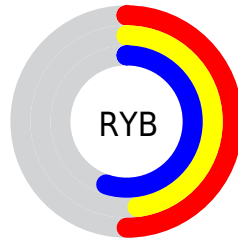
The XYZ color **20.3721, 20.2952, 27.2697** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **22.5778, 24.9393, 22.0372**, and the grayscale version is **19.6182, 20.6399, 22.4769**.

A 20% lighter version of the original color is **43.4729, 43.7812, 56.0285**, and **7.3276, 7.1061, 10.4366** is the 20% darker color. If you saturate the color by 10%, you get **17.3951, 16.4059, 26.6762**, and if you desaturate by 10%, it is **23.7369, 24.7479, 27.9521**.

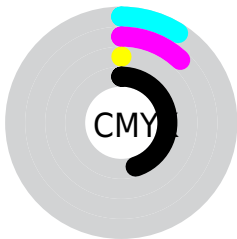
Distribution



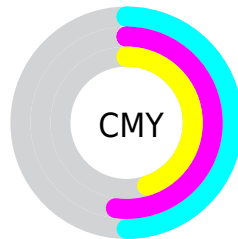
- Red (50%)
- Green (48%)
- Blue (55%)



- Red (50%)
- Yellow (48%)
- Blue (55%)



- Cyan (9%)
- Magenta (12%)
- Yellow (0%)
- Black (45%)



- Cyan (50%)
- Magenta (52%)
- Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.3721, 20.2952, 27.2697 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 20.3721, 20.2952, 27.2697 by changing the saturation by 10% instead.

■ 20.3721, 20.2952,
27.2697

■ 20.3721, 20.2952,
27.2697

246.7178,
253.5088, 302.7620

■ 12.7756, 12.6098,
17.5417

■ 43.5394, 43.9116,
56.3253

■ 7.3502, 7.1604,
10.4554

■ 59.8409, 60.6113,
76.4900

■ 3.7303, 3.5626,
5.5924

■ 79.7748, 81.0846,
100.9706

■ 1.5507, 1.4320,
2.5341

103.7065,
105.7159, 130.1857

■ 0.3600, 0.2402,
0.8581

132.0012,
134.8896, 164.5539

■ 0.0000, 0.0000,
0.0000

165.0245,

168.9900, 204.4936

203.1416,
208.4016, 250.4235

■ 20.3721, 20.2952,
27.2697

■ 20.3721, 20.2952,
27.2697

■ 17.3951, 16.4059,
26.6762

■ 23.7369, 24.7479,
27.9521

■ 14.7896, 13.0547,
26.1667

■ 27.5011, 29.7827,
28.7256

■ 12.5409, 10.2182,
25.7377

■ 31.6784, 35.4209,
29.5937

■ 10.6328, 7.8702,
25.3851

■ 36.2810, 41.6818,
30.5595

■ 9.0474, 5.9822,
25.1042

■ 41.3207, 48.5836,
31.6261

7.7652, 4.5225,
24.8900

46.8088, 56.1442,
32.7962

6.7645, 3.4555,
24.7368

52.7563, 64.3804,
34.0725

6.0201, 2.7394,
24.6378

59.1737, 73.3087,
35.4576

5.5695, 2.3328,
24.5831

66.0711, 82.9447,
36.9540

Harmonies

Analogous

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



19.3698, 20.2952, 28.2906



20.3721, 20.2952, 27.2697



21.1046, 20.2952, 24.8525

Triad

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



20.3721, 20.2952, 27.2697



20.2292, 20.2952, 17.4297



17.3705, 20.2952, 22.3272

Complementary

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



20.3721, 20.2952, 27.2697



22.5778, 24.9393, 22.0372

Split Complementary

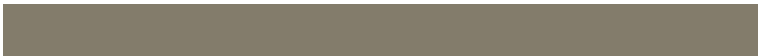
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



17.5824, 20.2952, 19.5550



20.3721, 20.2952, 27.2697



19.2103, 20.2952, 16.8822

Square

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



20.3721, 20.2952, 27.2697



21.0201, 20.2952, 19.1927



18.2469, 20.2952, 17.6254



17.6575, 20.2952, 25.2827

Rectangle

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



20.3721, 20.2952, 27.2697



21.3284, 20.2952, 22.8700



18.2469, 20.2952, 17.6254



17.3858, 20.2952, 21.3436

Sweetspot

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



20.3727, 20.2961, 27.2701



41.3349, 42.7590, 49.8177



21.2374, 23.1032, 27.7664



9.4259, 9.7218, 11.4591



67.5393, 71.0566, 77.3807



10.1266, 10.6539, 11.6021

Same Dimension

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



20.3727, 20.2961, 27.2701



34.7589, 34.0825, 48.4896



21.6631, 20.9613, 27.3305



4.9039, 4.9589, 6.3045



5.0422, 2.1135, 22.1879



0.0467, 0.0209, 0.1480

Inverse Universe

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



21.9108, 21.1302, 25.4791



38.1548, 35.9252, 44.4915



21.3037, 24.2825, 21.9776



5.1722, 5.1043, 5.9954



11.6129, 5.7553, 10.9977



0.0836, 0.0408, 0.1069

Previews

White Background



This preview shows how the XYZ color 20.3721, 20.2952, 27.2697 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 20.3721, 20.2952, 27.2697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

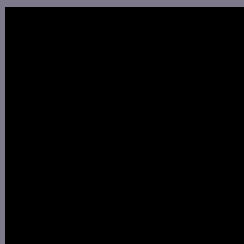
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.3721, 20.2952, 27.2697

Background



This preview shows how black text looks on a background with the XYZ color 20.3721, 20.2952, 27.2697.



This preview shows how white text looks on a background with the XYZ color 20.3721, 20.2952,

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

20.3721, 20.2952, 27.2697

Protanopia

19.8426, 20.1969, 27.6635

Deuteranopia

20.7035, 20.2847, 27.2502



Tritanopia

19.9208, 20.2950, 25.0577

Trichromacy



Original Color

20.3721, 20.2952, 27.2697

Protanomaly

20.1288, 20.3445, 27.6769

Deuteranomaly

20.5508, 20.2060, 27.2431

Tritanomaly

20.0603, 20.3508, 25.7925

Monochromacy



Original Color

20.3721, 20.2952, 27.2697

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

19.8411, 20.4626, 24.0230

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.3721, 20.2952, 27.2697 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(127, 122, 139)` looks like.

```
.text, #text, p{  
    color:rgb(127, 122, 139)  
}
```

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(127, 122, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 122, 139) }
```

Border

The CSS property to change the border of an element to XYZ 20.3721, 20.2952, 27.2697 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(127, 122, 139) }
```


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

```
.border{ border-color:rgb(127, 122, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 122, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 122, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 122, 139);  
box-shadow:4px 4px 4px 4px rgb(127, 122,  
139) }
```

Background

The CSS property to change the background color of an element to XYZ 20.3721, 20.2952, 27.2697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 122, 139) }
```

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

```
.background{ background-color: rgb(127,  
122, 139) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor