

Converting Colors

XYZ(49.6920, 54.2373, 72.5235)

Have a look what the booklet for
XYZ(49.6920, 54.2373, 72.5235)
contains.

XYZ(49.6020, 54.1167, 72.7970)	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(49.6020, 54.1167,
72.7970)**

Conversions

Conversions Part 1

Format	Color
Hex	ACC6D8
RGB	172, 198, 216
RGB Percent	67%, 78%, 85%
CMY	0.3255, 0.2235, 0.1529
CMYK	0.20, 0.08, 0.00, 0.15
HSL	205°, 36%, 76%
HSV	205°, 20%, 85%
XYZ	49.6020, 54.1167, 72.7970
YIQ	192.2780, -21.2740, 0.0860

Conversions

Conversions Part 2

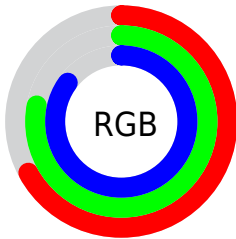
Format	Color
R_{YB}	172, 188, 216
Decimal	11323096
CIE _{Lab}	78.53, -4.90, -11.90
CIE _{LCh}	79, 12.871, 247.612
Yxy	54.1167, 0.2810, 0.3066
Android (android.graphics.Color)	4289513176 (0xFFACC6D8)
YUV	192.2780, 11.6949, -17.7838
Hunter-Lab	73.5641, -8.3800, -7.1769

Details

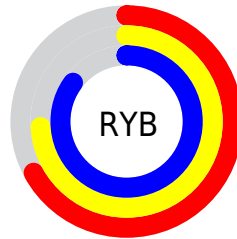
The XYZ color **49.6020, 54.1167, 72.7970** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **54.1792, 54.4044, 46.6764**, and the grayscale version is **50.2093, 52.8241, 57.5255**.

A 20% lighter version of the original color is **85.8049, 95.2340, 108.4673**, and **24.0140, 26.4417, 37.5563** is the 20% darker color. If you saturate the color by 10%, you get **43.2806, 47.9481, 71.9404**, and if you desaturate by 10%, it is **56.8150, 60.9226, 73.7314**.

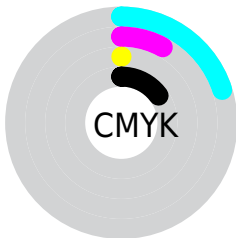
Distribution



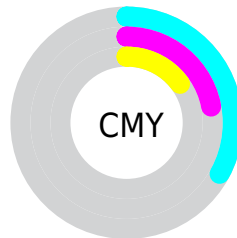
- Red (67%)
- Green (78%)
- Blue (85%)



- Red (67%)
- Yellow (74%)
- Blue (85%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (15%)



- Cyan (33%)
- Magenta (22%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.6020, 54.1167, 72.7970 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 49.6020, 54.1167, 72.7970 by changing the saturation by 10% instead.

■ 49.6020, 54.1167,
72.7970

■ 49.6020, 54.1167,
72.7970

375.5852,
402.5549, 489.3628

■ 35.3138, 38.6950,
53.3192

■ 88.7803, 96.2456,
124.9072

■ 24.0723, 26.5225,
37.6682

114.4010,
123.7215, 158.3767

■ 15.5123, 17.2149,
25.4254

144.5299,
155.9843, 197.3472

■ 9.2684, 10.3879,
16.1724

179.5324,
193.4183, 242.2371

■ 4.9751, 5.6569,
9.4905

219.7739,
236.4080, 293.4651

■ 2.2673, 2.6376,
4.9613

265.6196,

■ 0.7779, 0.9456,

285.3377, 351.4497

2.1663

317.4349,
340.5919, 416.6095

■ 0.0000, 0.0000,
0.6548

■ 0.0000, 0.0000,
0.0000

■ 49.6020, 54.1167,
72.7970

■ 49.6020, 54.1167,
72.7970

■ 43.2806, 47.9481,
71.9404

■ 56.8150, 60.9226,
73.7314

■ 37.8068, 42.3870,
71.1555

■ 64.9512, 68.3808,
74.7421

■ 33.1398, 37.4108,
70.4410

■ 74.0469, 76.5142,
75.8327

■ 29.2335, 32.9925,
69.7940

■ 82.8715, 84.6913,
76.9459

■ 26.0365, 29.1025,
69.2117

■ 85.4406, 89.8295,
77.8022

■ 23.4905, 25.7073,
68.6905

■ 88.1368, 95.2219,
78.7010

■ 21.5263, 22.7680,
68.2267

■ 89.3948, 97.7379,
79.1203

■ 20.0683, 20.3049,
67.8281

Harmonies

Analogous

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



47.6708, 54.1167, 67.8610



49.6020, 54.1167, 72.7970



52.0847, 54.1167, 73.8721

Triad

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



49.6020, 54.1167, 72.7970



56.4206, 54.1167, 57.0940



48.5184, 54.1167, 48.5428

Complementary

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



49.6020, 54.1167, 72.7970



54.1792, 54.4044, 46.6764

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.



50.7933, 54.1167, 46.1418



49.6020, 54.1167, 72.7970



55.3950, 54.1167, 50.8081

Square

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



49.6020, 54.1167, 72.7970



56.0762, 54.1167, 64.4024



53.3153, 54.1167, 46.9358



47.0597, 54.1167, 53.7652

Rectangle

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



49.6020, 54.1167, 72.7970



53.7287, 54.1167, 72.1796



53.3153, 54.1167, 46.9358



49.2100, 54.1167, 47.3994

Sweetspot

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



49.6036, 54.1189, 72.7982



87.6793, 93.2846, 107.9923



50.8207, 61.5836, 57.6957



18.6018, 19.8149, 23.0942



0.0000, 0.0000, 0.0000



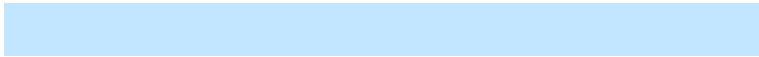
20.3446, 21.4041, 23.3091

Same Dimension

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



49.6036, 54.1189, 72.7982



68.5345, 75.2382, 105.5180



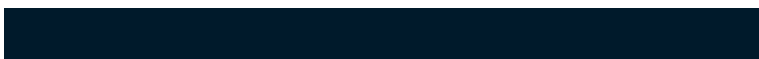
45.0129, 44.9375, 71.2680



12.3465, 13.2164, 15.8378



11.9868, 12.2354, 40.1831



0.8035, 0.8990, 2.4505

Inverse Universe

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



53.2658, 48.1824, 59.9213



74.7656, 65.4659, 83.5343



59.2099, 64.4657, 48.3533



12.7281, 12.5427, 14.5083



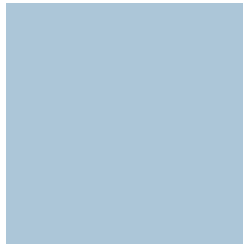
19.1092, 9.5800, 13.1452



1.1932, 0.5941, 1.0068

Previews

White Background



This preview shows how the XYZ color 49.6020, 54.1167, 72.7970 looks on a white background.

Color Contrast Check

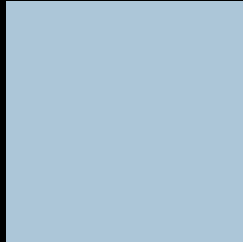
Large Text (above 18pt) WCAG AA × Fail

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 49.6020, 54.1167, 72.7970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

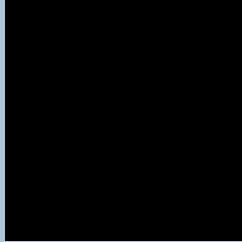
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

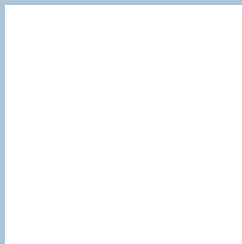
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.6020, 54.1167, 72.7970

Background



This preview shows how black text looks on a background with the XYZ color 49.6020, 54.1167, 72.7970.



This preview shows how white text looks on a background with the XYZ color 49.6020, 54.1167,

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

49.6020, 54.1167, 72.7970

Protanopia

52.8184, 54.1505, 70.6190

Deuteranopia

55.2096, 54.0137, 73.8455



Tritanopia

49.3449, 54.0139, 71.4433

Trichromacy



Original Color

49.6020, 54.1167, 72.7970

Protanomaly

51.6603, 54.1995, 71.3571

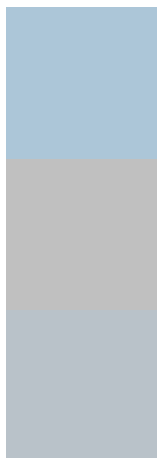
Deuteranomaly

52.8599, 53.7854, 73.2412

Tritanomaly

49.4731, 54.0651, 72.1181

Monochromacy



Original Color

49.6020, 54.1167, 72.7970

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

49.8420, 53.1149, 62.8836

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6020, 54.1167, 72.7970 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(172, 198, 216)` looks like.

```
.text, #text, p{  
    color:rgb(172, 198, 216)  
}
```

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(172, 198, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 198, 216) }
```

Border

The CSS property to change the border of an element to XYZ 49.6020, 54.1167, 72.7970 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(172, 198, 216) }
```


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

```
.border{ border-color:rgb(172, 198, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 198, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 198, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 198, 216);  
box-shadow:4px 4px 4px 4px rgb(172, 198,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6020, 54.1167, 72.7970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 198, 216) }
```

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

```
.background{ background-color: rgb(172,  
198, 216) }
```

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