

Converting Colors

XYZ(24.1333, 21.2413, 56.3714)

Have a look what the booklet for
XYZ(24.1333, 21.2413, 56.3714)
contains.

XYZ(24.1120, 21.2232, 56.2517)	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(24.1120, 21.2232,
56.2517)**

Conversions

Conversions Part 1

Format	Color
Hex	7478C6
RGB	116, 120, 198
RGB Percent	45%, 47%, 78%
CMY	0.5451, 0.5294, 0.2235
CMYK	0.41, 0.39, 0.00, 0.22
HSL	237°, 42%, 62%
HSV	237°, 41%, 78%
XYZ	24.1120, 21.2232, 56.2517
YIQ	127.6960, -27.4220, 23.4100

Conversions

Conversions Part 2

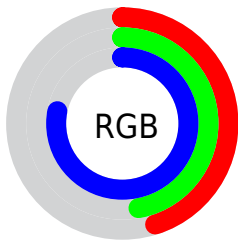
Format	Color
R_{YB}	116, 120, 198
Decimal	7633094
CIE _{Lab}	53.19, 18.28, -41.18
CIE _{LCh}	53, 45.055, 293.930
Yxy	21.2232, 0.2374, 0.2089
Android (android.graphics.Color)	4285823174 (0xFF7478C6)
YUV	127.6960, 34.6599, -10.2574
Hunter-Lab	46.0686, 12.8055, -40.1475

Details

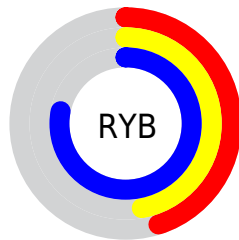
The XYZ color **24.1120, 21.2232, 56.2517** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **45.7337, 51.8514, 24.1220**, and the grayscale version is **20.3041, 21.3615, 23.2627**.

A 20% lighter version of the original color is **49.5971, 45.3830, 100.7535**, and **9.3380, 7.6725, 27.3743** is the 20% darker color. If you saturate the color by 10%, you get **19.7084, 15.9151, 55.4596**, and if you desaturate by 10%, it is **29.5236, 27.7131, 57.2196**.

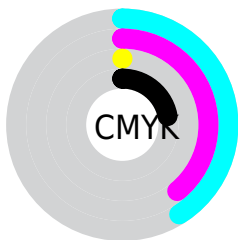
Distribution



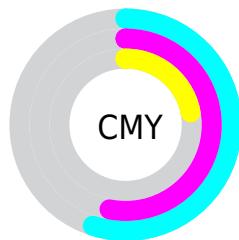
- Red (45%)
- Green (47%)
- Blue (78%)



- Red (45%)
- Yellow (47%)
- Blue (78%)



- Cyan (41%)
- Magenta (39%)
- Yellow (0%)
- Black (22%)



- Cyan (55%)
- Magenta (53%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.1120, 21.2232, 56.2517 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 24.1120, 21.2232, 56.2517 by changing the saturation by 10% instead.

■ 24.1120, 21.2232,
56.2517

■ 24.1120, 21.2232,
56.2517

265.8162,
258.4623, 428.0543

■ 15.5419, 13.2873,
39.9994

■ 49.6663, 45.4587,
100.8620

■ 9.2894, 7.6266,
27.2243

■ 67.3811, 62.5271,
130.0570

■ 4.9890, 3.8570,
17.5078

■ 88.8750, 83.4083,
164.4034

■ 2.2755, 1.5939,
10.4314

114.5131,
108.4869, 204.3197

■ 0.7821, 0.3535,
5.5766

144.6610,
138.1472, 250.2243

■ 0.0000, 0.0000,
2.5248

179.6839,

■ 0.0000, 0.0000,

172.7736, 302.5360

0.8533

219.9472,
212.7505, 361.6731

■ 0.0000, 0.0000,
0.0000

■ 24.1120, 21.2232,
56.2517

■ 24.1120, 21.2232,
56.2517

■ 19.7084, 15.9151,
55.4596

■ 29.5236, 27.7131,
57.2196

■ 16.2482, 11.7153,
54.8314

■ 35.9977, 35.4474,
58.3712

■ 13.6632, 8.5460,
54.3559

■ 43.5878, 44.4874,
59.7161

■ 11.8746, 6.3182,
54.0201

■ 52.3430, 54.8895,
61.2624

■ 10.7900, 4.9277,
53.8089

■ 62.3095, 66.7067,
63.0181

■ 10.2979, 4.2868,
53.7111

■ 73.5310, 79.9893,
64.9904

■ 86.0491, 94.7851,
67.1865

■ 87.1931, 96.8572,
67.5262

Harmonies

Analogous

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



19.2206, 21.2232, 60.1450



24.1120, 21.2232, 56.2517



28.5004, 21.2232, 42.2056

Triad

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



24.1120, 21.2232, 56.2517



26.0475, 21.2232, 7.7486



12.3785, 21.2232, 20.4489

Complementary

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



24.1120, 21.2232, 56.2517



45.7337, 51.8514, 24.1220

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.



13.6482, 21.2232, 10.8669



24.1120, 21.2232, 56.2517



21.1543, 21.2232, 5.6268

Square

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



24.1120, 21.2232, 56.2517



29.7351, 21.2232, 14.0324



16.6865, 21.2232, 6.4877



12.9166, 21.2232, 35.4382

Rectangle

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



24.1120, 21.2232, 56.2517



30.2937, 21.2232, 31.1401



16.6865, 21.2232, 6.4877



12.6008, 21.2232, 16.5922

Sweetspot

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



24.1128, 21.2240, 56.2522



76.0816, 77.4654, 105.5501



37.1236, 47.9923, 58.2874



15.8826, 16.1025, 22.5209



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.



24.1128, 21.2240, 56.2522



35.3631, 28.7427, 98.2918



29.5574, 23.3317, 56.3721



10.0975, 10.3690, 13.3867



6.7152, 2.8243, 34.9356



0.3328, 0.1633, 1.6591

Inverse Universe

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



32.9250, 25.8536, 21.0249



53.1775, 38.2816, 27.0373



38.0653, 49.2372, 24.0216



10.6545, 10.6452, 11.1638



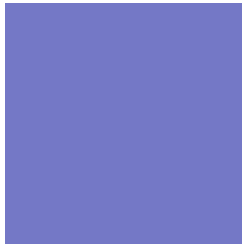
15.1888, 7.8251, 0.9384



0.7267, 0.3735, 0.0838

Previews

White Background



This preview shows how the XYZ color 24.1120, 21.2232, 56.2517 looks on a white background.

Color Contrast Check

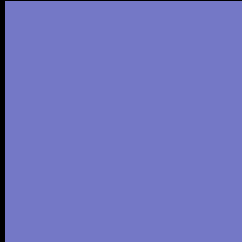
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.1120, 21.2232, 56.2517 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 24.1120, 21.2232, 56.2517

Background



This preview shows how black text looks on a background with the XYZ color 24.1120, 21.2232, 56.2517.

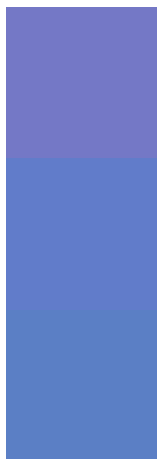


This preview shows how white text looks on a background with the XYZ color 24.1120, 21.2232,

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

24.1120, 21.2232, 56.2517

Protanopia

22.7981, 21.2210, 58.7716

Deuteranopia

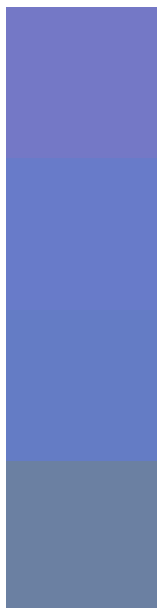
21.9818, 21.4341, 55.8020



Tritanopia

18.6132, 21.2803, 28.7177

Trichromacy



Original Color

24.1120, 21.2232, 56.2517

Protanomaly

23.3345, 21.3260, 58.1448

Deuteranomaly

22.5412, 21.1558, 55.7188

Tritanomaly

20.3042, 21.1728, 37.1990

Monochromacy



Original Color

24.1120, 21.2232, 56.2517

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

21.3956, 21.2522, 33.1114

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.1120, 21.2232, 56.2517 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, 120, 198)` looks like.

```
.text, #text, p{  
    color:rgb(116, 120, 198)  
}
```

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, 120, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 120, 198) }
```

Border

The CSS property to change the border of an element to XYZ 24.1120, 21.2232, 56.2517 is called "border". The border property can be set on classes, ids or directly on the HTML element.

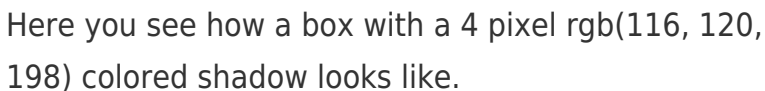
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(116, 120, 198) }
```


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

```
.border{ border-color:rgb(116, 120, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(116, 120, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(116, 120, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(116, 120, 198); box-shadow:4px 4px 4px 4px rgb(116, 120, 198) }
```

Background

The CSS property to change the background color of an element to XYZ 24.1120, 21.2232, 56.2517 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 120, 198) }
```

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

```
.background{ background-color: rgb(116,  
120, 198) }
```

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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