

Converting Colors

XYZ(23.8032, 26.8145, 45.4277)

Have a look what the booklet for
XYZ(23.8032, 26.8145, 45.4277)
contains.

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Color

**XYZ(23.8490, 26.8665,
45.5238)**

Conversions

Conversions Part 1

Format	Color
Hex	6693B1
RGB	102, 147, 177
RGB Percent	40%, 58%, 69%
CMY	0.6000, 0.4235, 0.3059
CMYK	0.42, 0.17, 0.00, 0.31
HSL	204°, 32%, 55%
HSV	204°, 42%, 69%
XYZ	23.8490, 26.8665, 45.5238
YIQ	136.9650, -36.4500, -0.2100

Conversions

Conversions Part 2

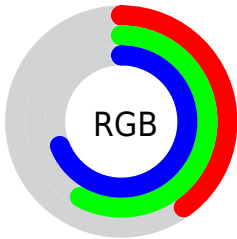
Format	Color
R_{YB}	102, 130, 177
Decimal	6722481
CIE _{Lab}	58.85, -7.27, -20.50
CIE _{LCh}	59, 21.748, 250.481
Yxy	26.8665, 0.2478, 0.2792
Android (android.graphics.Color)	4284912561 (0xFF6693B1)
YUV	136.9650, 19.7373, -30.6643
Hunter-Lab	51.8329, -8.5774, -15.7902

Details

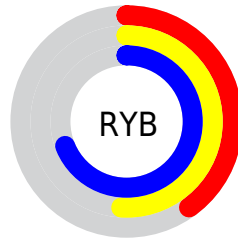
The XYZ color **23.8490, 26.8665, 45.5238** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **28.7816, 26.8096, 16.2290**, and the grayscale version is **23.7030, 24.9374, 27.1568**.

A 20% lighter version of the original color is **49.3049, 54.7244, 85.0550**, and **9.1794, 10.6576, 20.6421** is the 20% darker color. If you saturate the color by 10%, you get **20.9860, 23.8067, 45.0846**, and if you desaturate by 10%, it is **27.2098, 30.2846, 46.0069**.

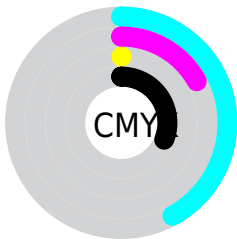
Distribution



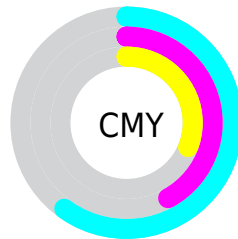
- Red (40%)
- Green (58%)
- Blue (69%)



- Red (40%)
- Yellow (51%)
- Blue (69%)



- Cyan (42%)
- Magenta (17%)
- Yellow (0%)
- Black (31%)



- Cyan (60%)
- Magenta (42%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8490, 26.8665, 45.5238 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 23.8490, 26.8665, 45.5238 by changing the saturation by 10% instead.

■ 23.8490, 26.8665,
45.5238

■ 23.8490, 26.8665,
45.5238

264.5108,
287.0102, 385.1127

■ 15.3458, 17.4730,
31.5243

■ 49.2401, 54.6696,
84.8326

■ 9.1503, 10.5723,
20.7366

■ 66.8588, 73.8479,
110.9790

■ 4.8972, 5.7800,
12.7422

■ 88.2466, 97.0567,
142.0114

■ 2.2212, 2.7118,
7.1226

■ 113.7690,
124.6802, 178.3484

■ 0.7539, 0.9832,
3.4593

143.7912,
157.1029, 220.4084

■ 0.0000, 0.0000,
1.3337

178.6787,

■ 0.0000, 0.0000,

194.7092, 268.6101

0.0892

218.7968,
237.8835, 323.3720

■ 0.0000, 0.0000,
0.0000

■ 23.8490, 26.8665,
45.5238

■ 23.8490, 26.8665,
45.5238

■ 20.9860, 23.8067,
45.0846

■ 27.2098, 30.2846,
46.0069

■ 18.5895, 21.0857,
44.6857

■ 31.0919, 34.0734,
46.5336

■ 16.6284, 18.6860,
44.3259

■ 35.5207, 38.2479,
47.1060

■ 15.0662, 16.5871,
44.0031

■ 40.5188, 42.8217,
47.7253

■ 13.8598, 14.7647,
43.7149

■ 46.1076, 47.8073,
48.3931

■ 13.1108, 13.5241,
43.5149

■ 52.3071, 53.2167,
49.1105

■ 59.1367, 59.0614,
49.8787

■ 66.6147, 65.3523,
50.6988

■ 72.4011, 70.8847,
51.4617

Harmonies

Analogous

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



21.8059, 26.8665, 39.9430



23.8490, 26.8665, 45.5238



26.4868, 26.8665, 46.3386

Triad

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



23.8490, 26.8665, 45.5238



30.9577, 26.8665, 26.6443



22.3279, 26.8665, 19.3843

Complementary

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



23.8490, 26.8665, 45.5238



28.7816, 26.8096, 16.2290

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.



24.6079, 26.8665, 16.9872



23.8490, 26.8665, 45.5238



29.6685, 26.8665, 20.6639

Square

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



23.8490, 26.8665, 45.5238



30.7188, 26.8665, 34.4778



27.3003, 26.8665, 17.4105



20.9712, 26.8665, 24.5847

Rectangle

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



23.8490, 26.8665, 45.5238



28.2459, 26.8665, 43.9391



27.3003, 26.8665, 17.4105



23.0049, 26.8665, 18.2691

Sweetspot

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



23.8499, 26.8675, 45.5244



62.9019, 67.8365, 84.2738



25.2822, 35.9016, 26.9820



13.2453, 14.3403, 18.2142



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



23.8499, 26.8675, 45.5244



37.8211, 42.8961, 80.7817



19.0733, 17.3144, 43.9322



8.4518, 9.0497, 10.8076



9.5597, 9.9198, 31.5478



0.3560, 0.4226, 1.0110

Inverse Universe

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



28.1500, 20.9573, 30.1663



46.8316, 31.8351, 48.3033



34.5792, 38.4047, 18.1615



8.7032, 8.5880, 9.9356



15.0599, 7.5415, 10.7416



0.5017, 0.2484, 0.4847

Previews

White Background



This preview shows how the XYZ color 23.8490, 26.8665, 45.5238 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 23.8490, 26.8665, 45.5238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

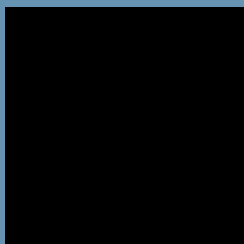
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

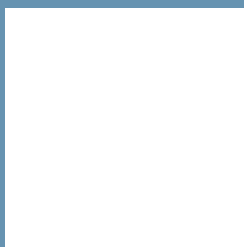
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.8490, 26.8665, 45.5238

Background



This preview shows how black text looks on a background with the XYZ color 23.8490, 26.8665, 45.5238.



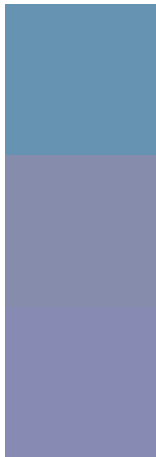
This preview shows how white text looks on a background with the XYZ color 23.8490, 26.8665,

45.5238.

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

23.8490, 26.8665, 45.5238

Protanopia

26.6560, 26.8031, 42.7983

Deuteranopia

27.2168, 26.5825, 46.3443



Tritanopia

22.4649, 27.0180, 38.2134

Trichromacy



Original Color

23.8490, 26.8665, 45.5238

Protanomaly

25.4885, 26.8385, 43.8814

Deuteranomaly

25.7291, 26.4751, 45.8736

Tritanomaly

22.8681, 26.9376, 40.5534

Monochromacy



Original Color

23.8490, 26.8665, 45.5238

Achromatopsia

23.7775, 25.0158, 27.2422

Achromatomaly

23.5046, 25.6018, 33.4086

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8490, 26.8665, 45.5238 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(102, 147, 177)` looks like.

```
.text, #text, p{  
    color:rgb(102, 147, 177)  
}
```

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(102, 147, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 147, 177) }
```

Border

The CSS property to change the border of an element to XYZ 23.8490, 26.8665, 45.5238 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(102, 147, 177) }
```


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

```
.border{ border-color:rgb(102, 147, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 147, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 147, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 147, 177);  
box-shadow:4px 4px 4px 4px rgb(102, 147,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8490, 26.8665, 45.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 147, 177) }
```

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

```
.background{ background-color: rgb(102,  
147, 177) }
```

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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