

Converting Colors

XYZ(18.2606, 18.1025, 44.6512)

Have a look what the booklet for
XYZ(18.2606, 18.1025, 44.6512)
contains.

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Color

**XYZ(18.2606, 18.1025,
44.6512)**

Conversions

Conversions Part 1

Format	Color
Hex	5576B2
RGB	85, 118, 178
RGB Percent	33%, 46%, 70%
CMY	0.6667, 0.5372, 0.3020
CMYK	0.52, 0.34, 0.00, 0.30
HSL	219°, 38%, 52%
HSV	219°, 52%, 70%
XYZ	18.2606, 18.1025, 44.6512
YIQ	114.9730, -38.9280, 11.6640

Conversions

Conversions Part 2

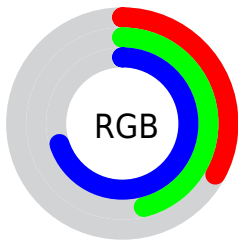
Format	Color
R_{YB}	85, 109, 178
Decimal	5600946
CIE _{Lab}	49.62, 5.67, -35.45
CIE _{LCh}	50, 35.901, 279.079
Yxy	18.1025, 0.2254, 0.2234
Android (android.graphics.Color)	4283791026 (0xFF5576B2)
YUV	114.9730, 31.0723, -26.2863
Hunter-Lab	42.5470, 2.1524, -32.4393

Details

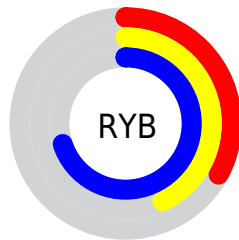
The XYZ color **18.2606, 18.1025, 44.6512** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **30.1260, 30.3727, 12.8699**, and the grayscale version is **16.2054, 17.0493, 18.5667**.

A 20% lighter version of the original color is **40.0412, 40.2654, 83.5035**, and **6.2927, 6.0677, 20.2415** is the 20% darker color. If you saturate the color by 10%, you get **15.5722, 14.8300, 44.1616**, and if you desaturate by 10%, it is **21.5214, 21.9152, 45.2156**.

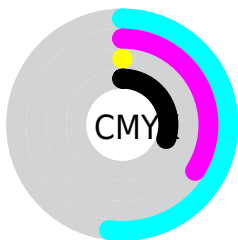
Distribution



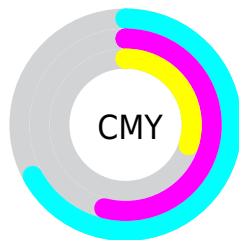
- Red (33%)
- Green (46%)
- Blue (70%)



- Red (33%)
- Yellow (43%)
- Blue (70%)



- Cyan (52%)
- Magenta (34%)
- Yellow (0%)
- Black (30%)



- Cyan (67%)
- Magenta (54%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.2606, 18.1025, 44.6512 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 18.2606, 18.1025, 44.6512 by changing the saturation by 10% instead.

■ 18.2606, 18.1025,
44.6512

■ 18.2606, 18.1025,
44.6512

235.3531,
241.4482, 381.4779

■ 11.2381, 11.0236,
30.8418

■ 40.0075, 40.2119,
83.5096

■ 6.2957, 6.0827,
20.2210

■ 55.4626, 56.0112,
109.3958

■ 3.0680, 2.8954,
12.3701

■ 74.4592, 75.4861,
140.1446

■ 1.1899, 1.0774,
6.8707

■ 97.3627, 99.0210,
176.1747

■ 0.0983, 0.0000,
3.3041

124.5385,
127.0002, 217.9045

■ 0.0000, 0.0000,
1.2519

156.3520,

■ 0.0000, 0.0000,

159.8082, 265.7526

0.0219

193.1684,
197.8294, 320.1376

■ 0.0000, 0.0000,
0.0000

■ 18.2606, 18.1025,
44.6512

■ 18.2606, 18.1025,
44.6512

■ 15.5722, 14.8300,
44.1616

■ 21.5214, 21.9152,
45.2156

■ 13.4174, 12.0679,
43.7420

■ 25.3862, 26.2917,
45.8567

■ 11.7548, 9.7861,
43.3892

■ 29.8863, 31.2564,
46.5778

■ 10.5356, 7.9494,
43.0990

■ 35.0502, 36.8315,
47.3817

■ 9.8223, 6.7871,
42.9122

■ 40.9048, 43.0382,
48.2711

■ 47.4752, 49.8963,
49.2486

■ 54.7853, 57.4250,
50.3165

■ 62.8580, 65.6425,
51.4772

■ 71.7149, 74.5663,
52.7328

Harmonies

Analogous

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



14.9709, 18.1025, 42.9453



18.2606, 18.1025, 44.6512



21.6753, 18.1025, 38.1587

Triad

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



18.2606, 18.1025, 44.6512



22.8094, 18.1025, 10.0904



11.7830, 18.1025, 13.7410

Complementary

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



18.2606, 18.1025, 44.6512



30.1260, 30.3727, 12.8699

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.



13.3974, 18.1025, 8.4382



18.2606, 18.1025, 44.6512



19.6530, 18.1025, 6.8656

Square

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



18.2606, 18.1025, 44.6512



24.5203, 18.1025, 16.8954



16.1926, 18.1025, 6.3814



11.5133, 18.1025, 22.8222

Rectangle

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



18.2606, 18.1025, 44.6512



23.4607, 18.1025, 31.0098



16.1926, 18.1025, 6.3814



12.1751, 18.1025, 11.5555

Sweetspot

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



18.2613, 18.1031, 44.6516



59.6374, 62.5793, 85.3170



24.6938, 35.7832, 31.9516



12.7916, 13.4098, 18.8364



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



18.2613, 18.1031, 44.6516



27.4473, 25.9007, 79.9339



16.2576, 12.2756, 43.6324



8.2805, 8.7072, 10.7506



7.0824, 4.9652, 30.7221



0.2791, 0.2688, 0.9854

Inverse Universe

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



24.8792, 17.2707, 19.1624



41.1794, 25.6244, 26.7184



33.2028, 40.5610, 14.6742



8.6168, 8.5534, 9.4804



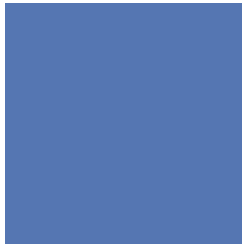
13.8095, 7.0414, 4.1569



0.4629, 0.2329, 0.2804

Previews

White Background



This preview shows how the XYZ color 18.2606, 18.1025, 44.6512 looks on a white 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

Black Background



This preview shows how the XYZ color 18.2606, 18.1025, 44.6512 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

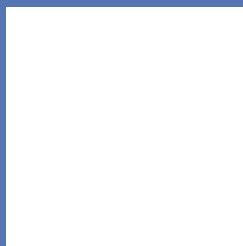
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 18.2606, 18.1025, 44.6512

Background



This preview shows how black text looks on a background with the XYZ color 18.2606, 18.1025, 44.6512.



This preview shows how white text looks on a background with the XYZ color 18.2606, 18.1025,

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

18.2606, 18.1025, 44.6512

Protanopia

19.0116, 18.1668, 43.5788

Deuteranopia

18.5170, 18.0608, 44.6296



Tritanopia

14.5033, 18.0389, 26.0100

Trichromacy



Original Color

18.2606, 18.1025, 44.6512

Protanomaly

18.8113, 18.2241, 44.1211

Deuteranomaly

18.4217, 18.0116, 44.6251

Tritanomaly

15.6494, 17.9368, 31.9155

Monochromacy



Original Color

18.2606, 18.1025, 44.6512

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.5418, 17.2688, 26.5061

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.2606, 18.1025, 44.6512 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(85, 118, 178)` looks like.

```
.text, #text, p{  
    color:rgb(85, 118, 178)  
}
```

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(85, 118, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 118, 178) }
```

Border

The CSS property to change the border of an element to XYZ 18.2606, 18.1025, 44.6512 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(85, 118, 178) }
```


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

```
.border{ border-color:rgb(85, 118, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 118, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 118, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 118, 178);  
box-shadow:4px 4px 4px 4px rgb(85, 118,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 18.2606, 18.1025, 44.6512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 118, 178) }
```

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

```
.background{ background-color: rgb(85, 118,  
178) }
```

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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