

Converting Colors

XYZ(20.4036, 23.8917, 37.0573)

Have a look what the booklet for
XYZ(20.4036, 23.8917, 37.0573)
contains.

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Color

**XYZ(20.4721, 23.9501,
37.2621)**

Conversions

Conversions Part 1

Format	Color
Hex	5D8DA1
RGB	93, 141, 161
RGB Percent	36%, 55%, 63%
CMY	0.6353, 0.4470, 0.3686
CMYK	0.42, 0.12, 0.00, 0.37
HSL	198°, 27%, 50%
HSV	198°, 42%, 63%
XYZ	20.4721, 23.9501, 37.2621
YIQ	128.9280, -35.0280, -3.9560

Conversions

Conversions Part 2

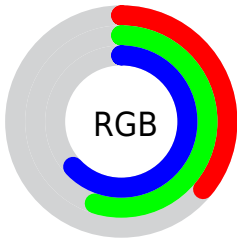
Format	Color
R_{YB}	93, 121, 161
Decimal	6131105
CIE _{Lab}	56.04, -10.79, -15.69
CIE _{LCh}	56, 19.043, 235.483
Yxy	23.9501, 0.2506, 0.2932
Android (android.graphics.Color)	4284321185 (0xFF5D8DA1)
YUV	128.9280, 15.8115, -31.5089
Hunter-Lab	48.9388, -10.9728, -10.8863

Details

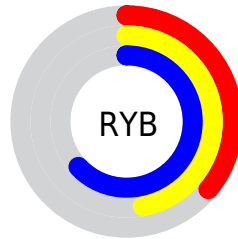
The XYZ color **20.4721, 23.9501, 37.2621** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **22.5794, 20.1782, 13.0613**, and the grayscale version is **20.7969, 21.8799, 23.8272**.

A 20% lighter version of the original color is **43.7638, 50.0991, 72.3292**, and **7.3765, 9.0374, 15.8236** is the 20% darker color. If you saturate the color by 10%, you get **18.3277, 21.8307, 36.9665**, and if you desaturate by 10%, it is **22.9910, 26.3079, 37.5849**.

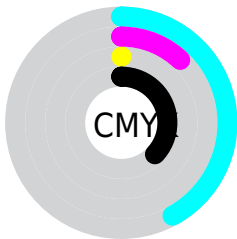
Distribution



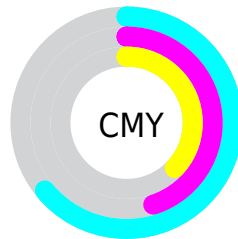
- Red (36%)
- Green (55%)
- Blue (63%)



- Red (36%)
- Yellow (47%)
- Blue (63%)



- Cyan (42%)
- Magenta (12%)
- Yellow (0%)
- Black (37%)



- Cyan (64%)
- Magenta (45%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 20.4721, 23.9501, 37.2621 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 20.4721, 23.9501, 37.2621 by changing the saturation by 10% instead.

■ 20.4721, 23.9501,
37.2621

■ 20.4721, 23.9501,
37.2621

247.2447,
272.5681, 349.6467

■ 12.8489, 15.2966,
25.1131

■ 43.7052, 49.9488,
72.1665

■ 7.4009, 9.0278,
15.9416

■ 60.0459, 68.0627,
95.7591

■ 3.7626, 4.7593,
9.3289

■ 80.0231, 90.0990,
124.0032

■ 1.5687, 2.1068,
4.8566

■ 104.0022,
116.4419, 157.3175

■ 0.3719, 0.6684,
2.1061

132.3485,
147.4758, 196.1204

■ 0.0000, 0.0000,
0.6194

165.4275,

■ 0.0000, 0.0000,

183.5853, 240.8306

0.0000

203.6044,
225.1546, 291.8665

■ 20.4721, 23.9501,
37.2621

■ 20.4721, 23.9501,
37.2621

■ 18.3277, 21.8307,
36.9665

■ 22.9910, 26.3079,
37.5849

■ 16.5334, 19.9350,
36.6951

■ 25.9022, 28.9124,
37.9341

■ 15.0654, 18.2508,
36.4474

■ 29.2252, 31.7745,
38.3114

■ 13.8958, 16.7630,
36.2219

■ 32.9775, 34.9038,
38.7177

■ 12.9913, 15.4539,
36.0169

■ 37.1754, 38.3093,
39.1538

■ 12.4110, 14.5290,
35.8689

■ 41.8344, 41.9994,
39.6205

■ 46.9693, 45.9821,
40.1186

■ 52.5940, 50.2654,
40.6489

■ 58.7221, 54.8565,
41.2121

Harmonies

Analogous

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



19.1885, 23.9501, 31.5863



20.4721, 23.9501, 37.2621



22.4356, 23.9501, 39.9561

Triad

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



20.4721, 23.9501, 37.2621



27.1996, 23.9501, 27.0336



21.0090, 23.9501, 16.6792

Complementary

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



20.4721, 23.9501, 37.2621



22.5794, 20.1782, 13.0613

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.



23.0953, 23.9501, 15.8545



20.4721, 23.9501, 37.2621



26.7578, 23.9501, 21.2498

Square

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



20.4721, 23.9501, 37.2621



26.3922, 23.9501, 33.4821



25.2206, 23.9501, 17.3903



19.4843, 23.9501, 19.8541

Rectangle

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



20.4721, 23.9501, 37.2621



23.9004, 23.9501, 39.4293



25.2206, 23.9501, 17.3903



21.6640, 23.9501, 16.1419

Sweetspot

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



20.4729, 23.9510, 37.2627



51.7040, 56.3658, 68.5411



20.1992, 28.9933, 19.9396



11.0562, 12.1203, 15.0004



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



20.4729, 23.9510, 37.2627



32.9206, 39.1960, 66.2170



16.2824, 15.5701, 35.8658



7.0994, 7.6577, 9.0070



9.9486, 11.6766, 28.6592



0.2468, 0.3209, 0.6148

Inverse Universe

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



23.4207, 17.3296, 27.3108



39.1288, 26.3669, 45.0078



26.9943, 29.0081, 14.5330



7.2751, 7.1665, 8.4352



14.1671, 7.0229, 13.3363



0.3168, 0.1552, 0.3807

Previews

White Background



This preview shows how the XYZ color 20.4721, 23.9501, 37.2621 looks on a white background.

Color Contrast Check

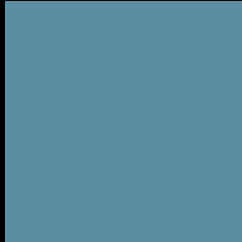
Large Text (above 18pt) WCAG AA ✓ Pass

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 20.4721, 23.9501, 37.2621 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

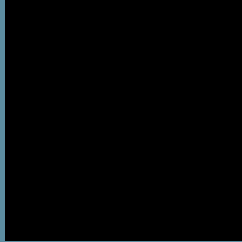
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 20.4721, 23.9501, 37.2621

Background



This preview shows how black text looks on a background with the XYZ color 20.4721, 23.9501, 37.2621.



This preview shows how white text looks on a background with the XYZ color 20.4721, 23.9501,

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

20.4721, 23.9501, 37.2621

Protanopia

23.5098, 23.8874, 34.3820

Deuteranopia

24.2429, 23.7825, 37.9631



Tritanopia

19.8201, 23.9032, 34.1410

Trichromacy



Original Color

20.4721, 23.9501, 37.2621

Protanomaly

22.2261, 23.8245, 35.3254

Deuteranomaly

22.6568, 23.7881, 37.5798

Tritanomaly

20.1724, 24.0556, 35.4783

Monochromacy



Original Color

20.4721, 23.9501, 37.2621

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

20.3977, 22.4111, 28.4500

CSS Examples

Text

The CSS property to change the color of the text to XYZ 20.4721, 23.9501, 37.2621 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(93, 141, 161)` looks like.

```
.text, #text, p{  
    color:rgb(93, 141, 161)  
}
```

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(93, 141, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(93, 141, 161) }
```

Border

The CSS property to change the border of an element to XYZ 20.4721, 23.9501, 37.2621 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(93, 141, 161) }
```


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

```
.border{ border-color:rgb(93, 141, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(93, 141, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(93, 141, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(93, 141, 161);  
box-shadow:4px 4px 4px 4px rgb(93, 141,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 20.4721, 23.9501, 37.2621 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(93, 141, 161) }
```

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

```
.background{ background-color: rgb(93, 141,  
161) }
```

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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